

June 16, 2005

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Mr. Jim Tischler
Regional Water Quality Control Board
North Coast Region
5550 Skylane Blvd., Suite A
Santa Rosa, CA 95403

**RE: Quarterly Groundwater Monitoring
Ozone Remediation System Status Report, Second Quarter 2005
Former Unocal Station No. 2672
1075 Santa Rosa Avenue, Santa Rosa, California**

Dear Mr. Tischler:

ENSR Corporation (ENSR) has been authorized by Union Oil Company of California (Unocal) to prepare this report summarizing quarterly groundwater monitoring and ozone remediation system status at the referenced site located at 1075 Santa Rosa Avenue, Santa Rosa, California (**Figure 1**). This report presents the results of quarterly groundwater monitoring and ozone remediation system status through the second quarter 2005. The work was performed in accordance with the field methods and procedures included in **Attachment A**. The locations of former and current site features are illustrated on **Figure 2**.

Groundwater Level Measurements

Depth to groundwater measurements were recorded in monitoring wells MW-1 through MW-11, MW-12A, MW-12B, MW-13A, MW-13B, MW-14A, MW-14B, and MW-15 on May 16, 2005 (**Table 1**). Free product was not observed in well MW-4 during this monitoring event. Monitoring wells MW-12A, MW-13A, and MW-14A are screened from 50 to 55 feet below ground surface (bgs) and monitor the intermediate zone. Monitoring wells MW-12B, MW-13B, and MW-14B are screened from 80 to 85 feet bgs and monitor the deep zone. Groundwater measurements collected were used to construct three groundwater elevation contours for the site. The shallow, intermediate, and deep zone groundwater contours are presented in **Figures 3** through **5**, respectively.

On May 16, 2005, the groundwater flow direction in the shallow zone was convergent towards the southeast with a gradient ranging from 0.015 feet per foot (ft/ft) to 0.03 ft/ft (**Figure 3**). The groundwater flow direction in the intermediate zone was toward the northwest with a hydraulic gradient of approximately 0.03 ft/ft (**Figure 4**). The groundwater flow direction for the deep zone was toward the north with a hydraulic gradient of approximately 0.003 ft/ft (**Figure 5**). Copies of the groundwater sampling data sheets are included in **Attachment B** and a summary of groundwater elevations measured to date is presented in **Table 1**.

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Groundwater Sampling and Analytical Results

Groundwater samples were collected on May 16, 2005, from wells MW-1 through MW-11, MW-12A, MW-12B, MW-13A, MW-13B, MW-14A, MW-14B, and MW-15. The groundwater samples were submitted to California Laboratory Services (CLS) in Rancho Cordova, California (a state-certified laboratory) for analyses of total petroleum hydrocarbons as gasoline (TPHg) using Environmental Protection Agency (EPA) Method 8015 Modified, for benzene, toluene, ethylbenzene and total xylenes (BTEX), fuel oxygenate compounds methyl tertiary butyl ether (MTBE), tertiary-amyl methyl ether (TAME), tert butanol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and for 1,2-dichloroethane (1,2-DCA) using EPA Method 8260B. Samples collected from wells MW-1 through MW-8 were additionally analyzed for chromium, vanadium, selenium, lead, molybdenum, and uranium by EPA Method 200.8.

Cumulative groundwater sampling analytical results are summarized in **Table 1** through **Table 4**. Concentrations of TPHg, benzene and MTBE in groundwater sampled on May 16, 2005 are presented in **Figure 6**. Copies of the groundwater sampling data sheets are included in **Attachment B**. Laboratory analytical results with chain-of-custody documentation are included in **Attachment C**.

Ozone Microsparge System Description

The ozone system consists of groundwater treatment via a C-Sparge system. The C-Sparge system includes an ozone generator, air compressor, and a programmable timer/controller. The C-Sparge system utilizes ozone microsparging: a process where ozone is entrained in air and introduced into groundwater. The ozone is injected at low flow rates of 2 to 6 cubic feet per minute (cfm) through specially designed sparge points to create "micro-bubbles." As these micro-bubbles rise within the column of water, dissolved volatile organic compounds (VOCs) including petroleum hydrocarbons are oxidized. The system cycles ozone/air injection between ten micro-sparge points (SP-1 through SP-10). Ozone sparge points introduce ozone into the areas of highest dissolved petroleum hydrocarbon and VOC concentrations of the Unocal site. Each sparge point has a dedicated polyethylene line installed below ground to connect the C-Sparge system to the sparge points.

Ozone Microsparge System Operation

The schedule is set to cycle through each sparge point twelve times per day, for ten minutes per point, per cycle. There is a twenty-minute rest period between cycles. Dissolved oxygen concentrations will be monitored in nearby monitoring wells (MW-1 through MW-4 and MW-8). The programmable timer/controller will be adjusted accordingly to optimize treatment.

Ozone Microsparge System Status

System operation began on November 18, 2003. System effectiveness is monitored by assessing dissolved oxygen (D.O.) concentrations, **Table 5**, and quarterly analysis of



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groundwater samples collected from monitoring wells MW-1 through MW-4, and MW-8. On June 4, 2004, the system was shut down as a result of the presence of VOC vapors escaping from various C-Sparge points, monitoring wells, and PVC conduits that house the C-Sparge lines. A work plan to install a small Soil Vapor Extraction (SVE) system to abate the escaping VOC vapors was prepared by ENSR and approved by the Regional Water Quality Control Board, North Coast Region in a letter dated October 15, 2004. As a result of extensive permitting required by the City of Santa Rosa, the installation of the SVE system was delayed. The SVE system has been installed since May 2005 and is currently in operation. A permit was issued by the Bay Area Air Quality Management District for operation of the SVE system.

Conclusions/Recommendations

Concentrations of TPHg were detected in six wells, ranging from 30,000 micrograms per liter ($\mu\text{g/L}$) in well MW-4 to 76 $\mu\text{g/L}$ in well MW-7. Concentrations of benzene were detected in eight wells, ranging from 5,800 $\mu\text{g/L}$ in well MW-4 to 0.53 $\mu\text{g/L}$ in well MW-6. Concentrations of MTBE were detected in six wells, ranging from 110 $\mu\text{g/L}$ in well MW-2 to 0.82 $\mu\text{g/L}$ in well MW-5. Hydrocarbon constituents were not detected in nine wells (MW-9 through MW-11, MW-12A, MW-12B, MW-13A, MW-13B, MW-14B, and MW-15) during the second quarter 2005. As a result of the concentrations detected, it is recommended that C-Sparge and SVE system operations be continued.

Future Work

ENSR will continue operation and maintenance of the C-Sparge and SVE systems. The third quarter 2005 groundwater monitoring and sampling is scheduled for August 2005.

Remarks/Signatures

The interpretations in this report represent our professional opinions and are based, in part, on the information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.



Mr. Jim Tischler
June 16, 2005
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If you have any questions regarding this project, please contact Mr. John Warren at (916) 362-7100.

Sincerely,
ENSR Corporation

Yan Wang
Project Engineer

John M. Warren, R.C.E. No. 34168
Senior Program Manager

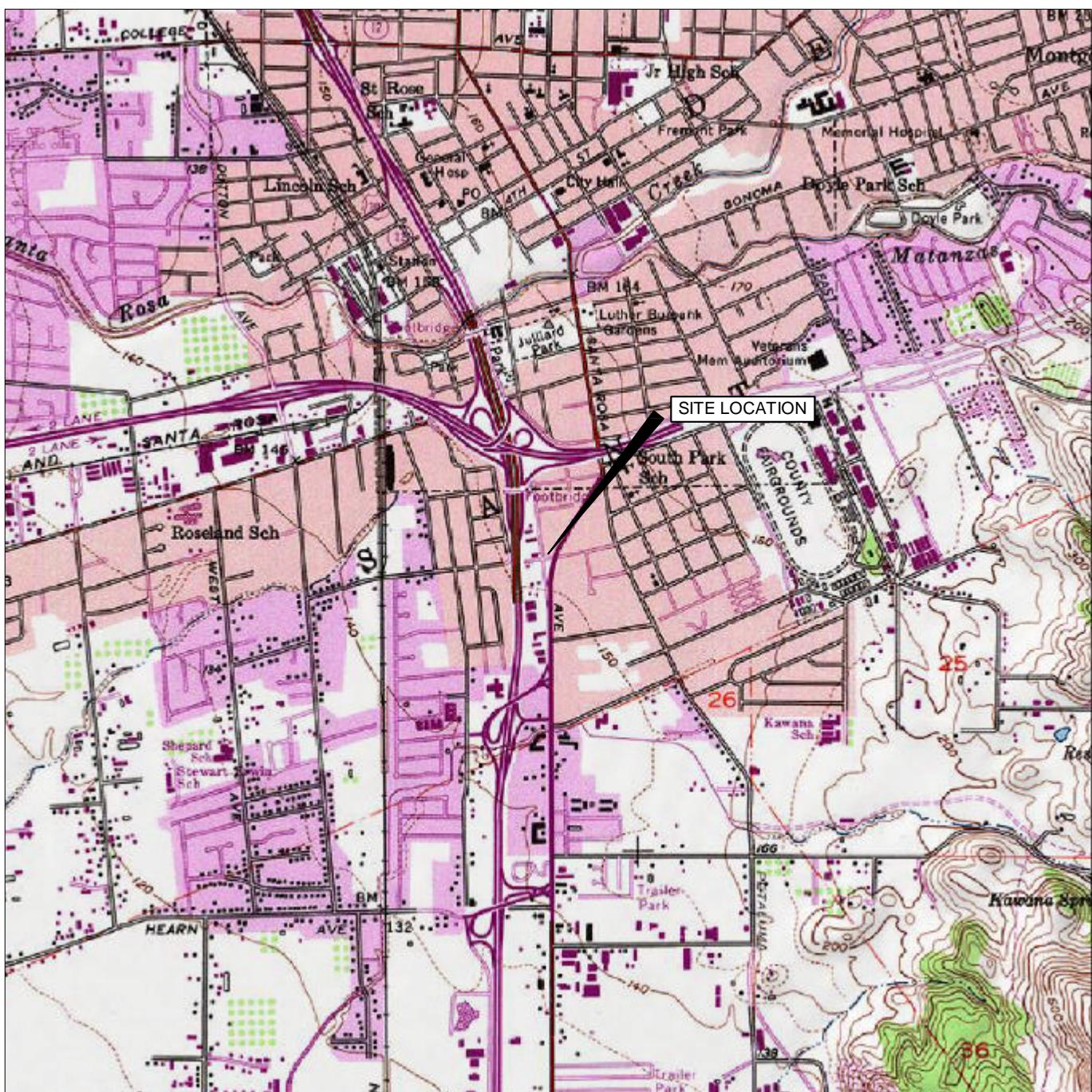
KH/dk

Ref. 06940-268-100

Attachments

cc: Mr. John Frary, Union Oil Company of California
Mr. Vincent Spiers
Santa Rosa Fire Department





Map created with TOPO - 2003 National Geographic



MAP LOCATION

SOURCE: BASE MAP FROM USGS SANTA ROSA, CA
7.5 MINUTE TOPOGRAPHIC 1994

0 2000
Approximate Scale
in Feet

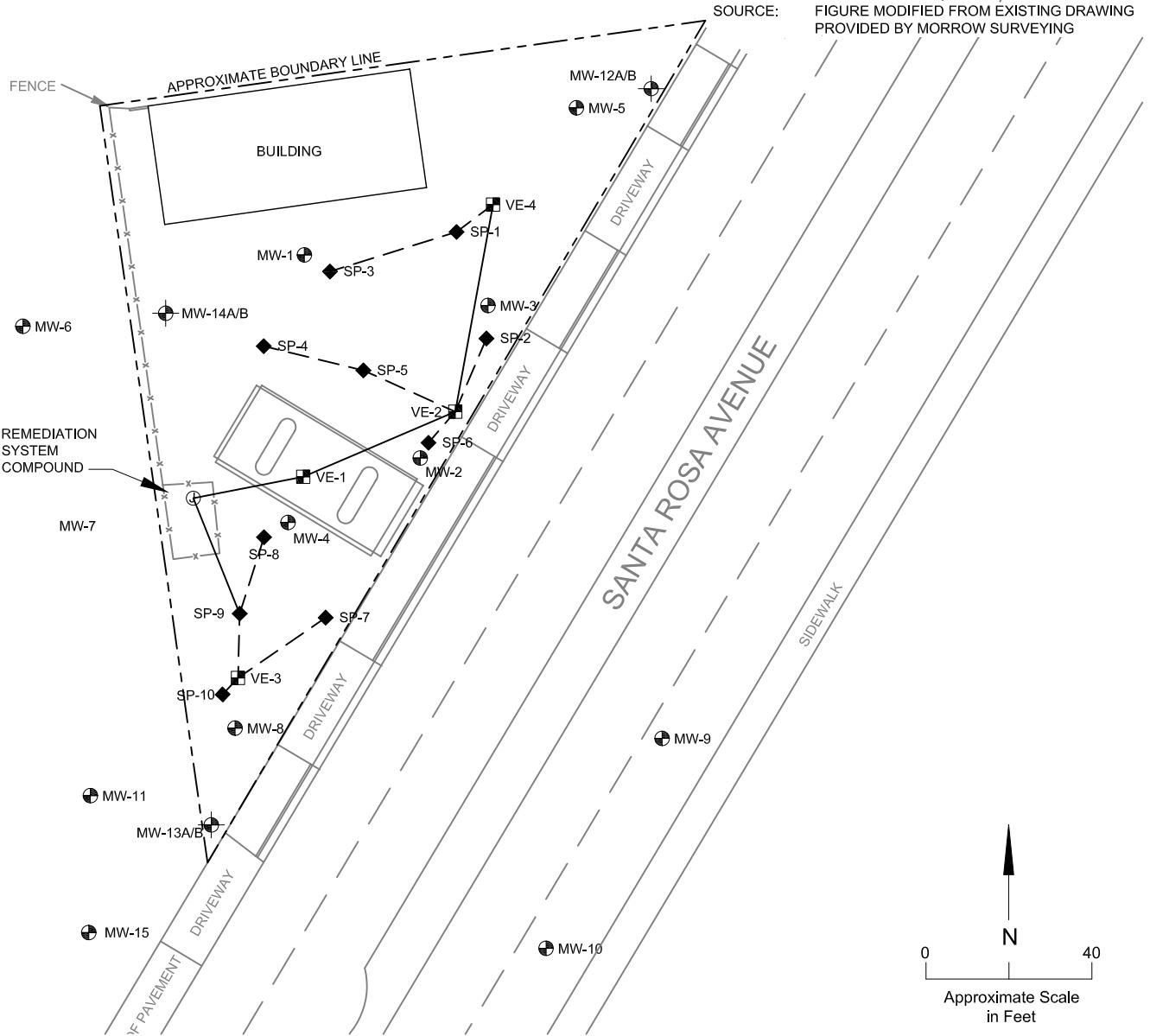
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FIGURE

1

DRAWN BY	DATE	PROJECT NUMBER	SITE LOCATION MAP	FIGURE
G BORCHARDT	3/16/2005 PR	06940-268		

FRANCISCO'S AUTO SERVICE



LEGEND

- GROUNDWATER MONITORING WELL
- VAPOR EXTRACTION WELL
- ◆ OZONE SPARGE POINT
- NESTED MONITORING WELL
- VAPOR EXTRACTION AND OZONE SPARGE CONVEYANCE LINE (4" PIPE)
- - - OZONE SPARGE CONVEYANCE LINE (2" PIPE)
- ① 36" JUNCTION BOX



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SITE MAP

Former UNOCAL Station 2672
1075 Santa Rosa Avenue
Santa Rosa, California

Quarterly Monitoring Report
2nd Quarter 2005

DRAWN BY	DATE	PROJECT NUMBER
	06/07/2005	06940-268

FIGURE

2

FRANCISCO'S AUTO SERVICE



149.51

BUILDING

149.59

MW-1

149.38

MW-6

MW-14A/B

SP-3

0.05

SP-4

SP-5

148.21

MW-7

VE-1

MW-4

146.04

SP-8

SP-9

SP-10

VE-3

MW-8

148.18

DRIVEWAY

149.43

MW-11

149.20

MW-15

149.20

MW-13A/B

VEMENT

DRIVEWAY

148.51

MW-5

148.77

MW-12A/B

SP-1

149.47

MW-3

SP-2

VE-2

148.67

MW-2

SP-6

146.04

VE-1

MW-4

146.04

SP-8

SP-9

SP-10

VE-3

MW-8

148.18

DRIVEWAY

148.00

MW-9

147.94

MW-10

SOURCE:

FIGURE MODIFIED FROM EXISTING DRAWING
PROVIDED BY MORROW SURVEYING

0
40

Approximate Scale
in Feet

FIGURE

3

ENSR
INTERNATIONAL

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GROUNDWATER ELEVATION CONTOUR MAP SHALLOW ZONE

Former UNOCAL Station 2672
1075 Santa Rosa Avenue
Santa Rosa, California

Quarterly Monitoring Report
2nd Quarter 2005
May 16, 2005

DRAWN BY

DATE

PROJECT NUMBER

E. Cowan

5/31/2005 PR

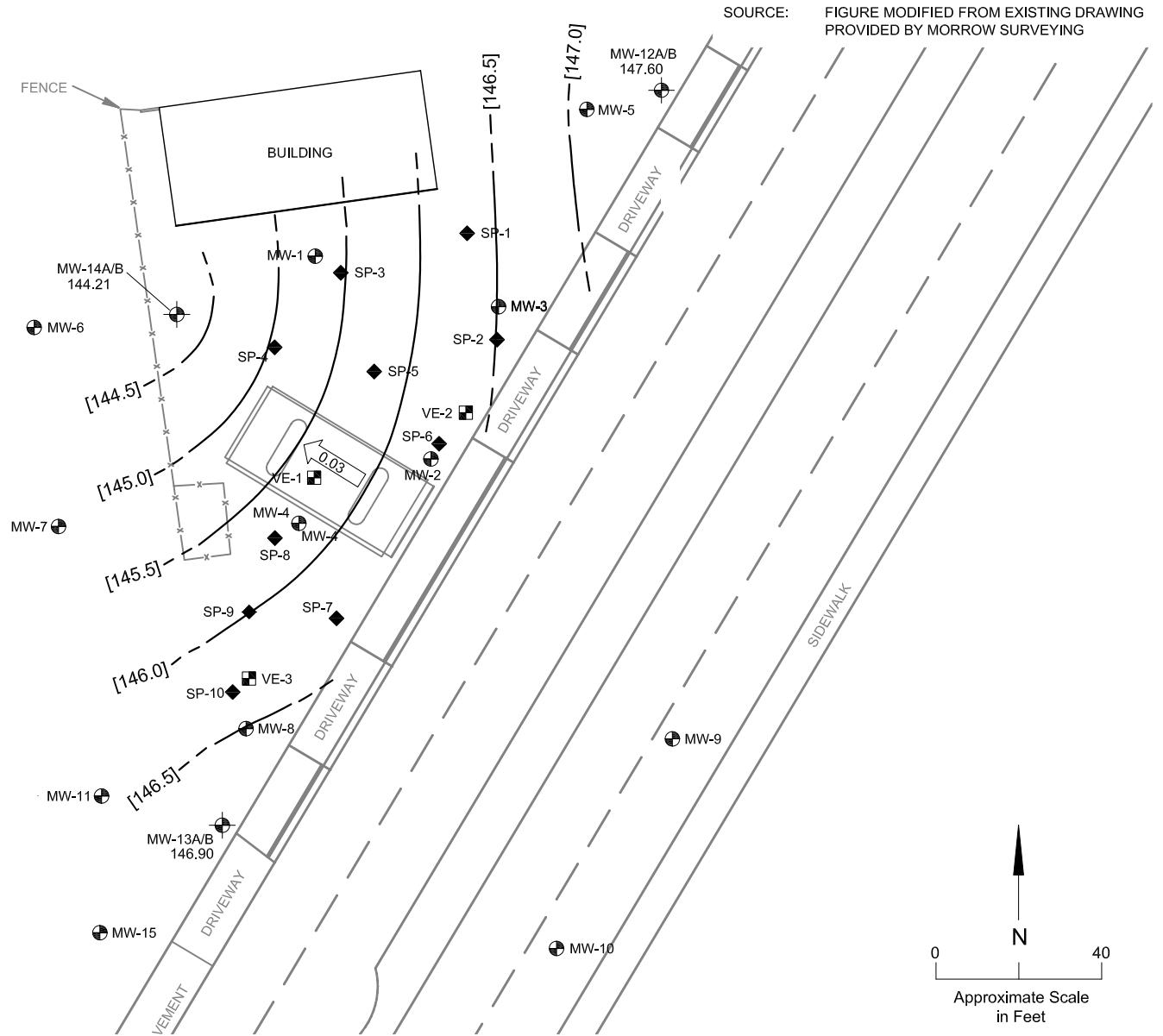
06940-268

FRANCISCO'S AUTO SERVICE

MONROE TIRE

LEGEND

- (●) GROUNDWATER MONITORING WELL
- (■) VAPOR EXTRACTION WELL
- (◆) OZONE SPARGE POINT
- (○) NESTED MONITORING WELL
- 146.21 GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL
- [146.5] GROUNDWATER ELEVATION CONTOUR
- 0.03 APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT IN Ft/Ft



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**GROUNDWATER ELEVATION CONTOUR MAP
INTERMEDIATE ZONE**

Former UNOCAL Station 2672
1075 Santa Rosa Avenue
Santa Rosa, California

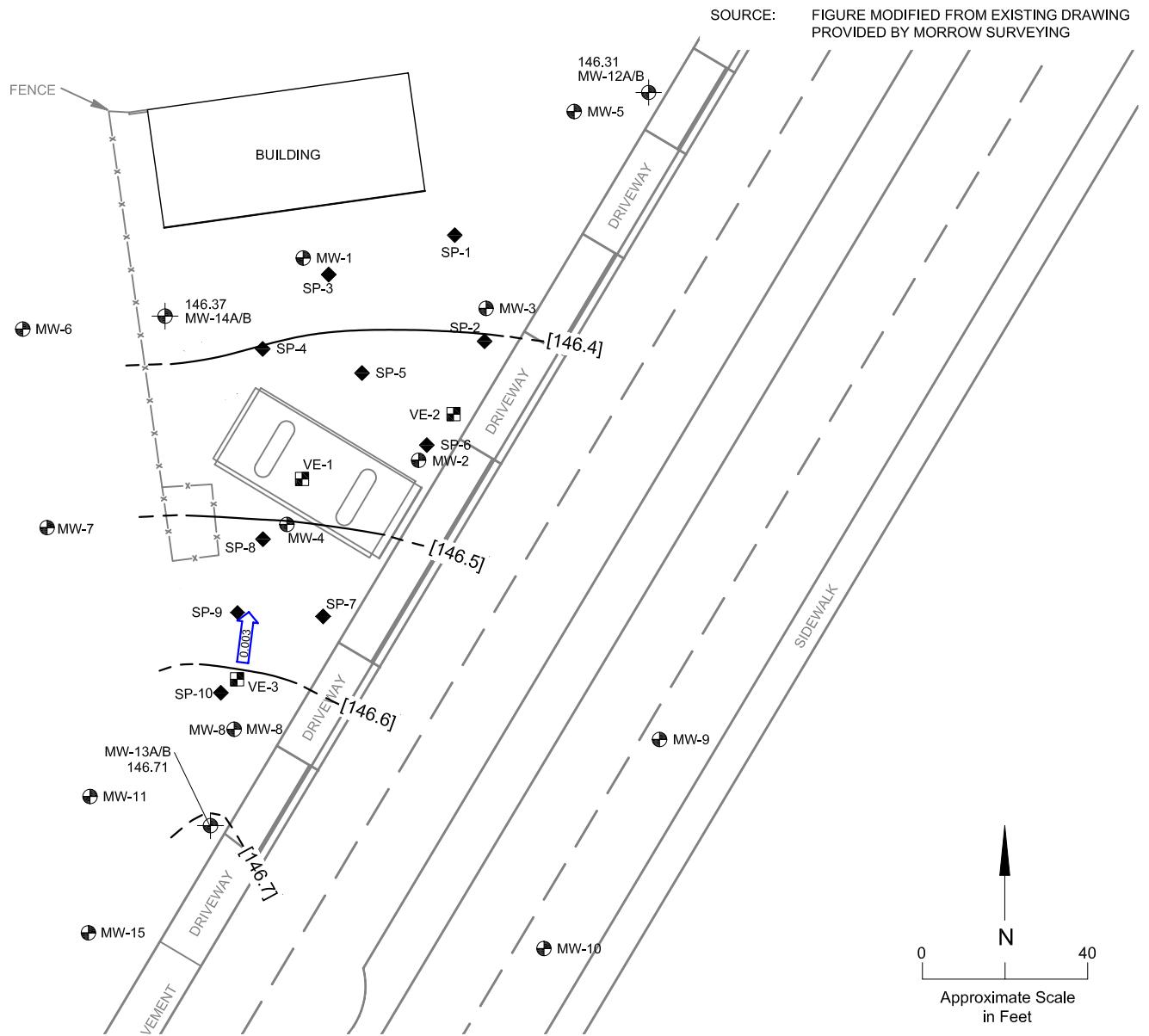
Quarterly Monitoring Report
1st Quarter 2005
May 16, 2005

DRAWN BY	DATE	PROJECT NUMBER
E. Cowan	6/1/2005 PR	06940-268

FIGURE

4

FRANCISCO'S AUTO SERVICE



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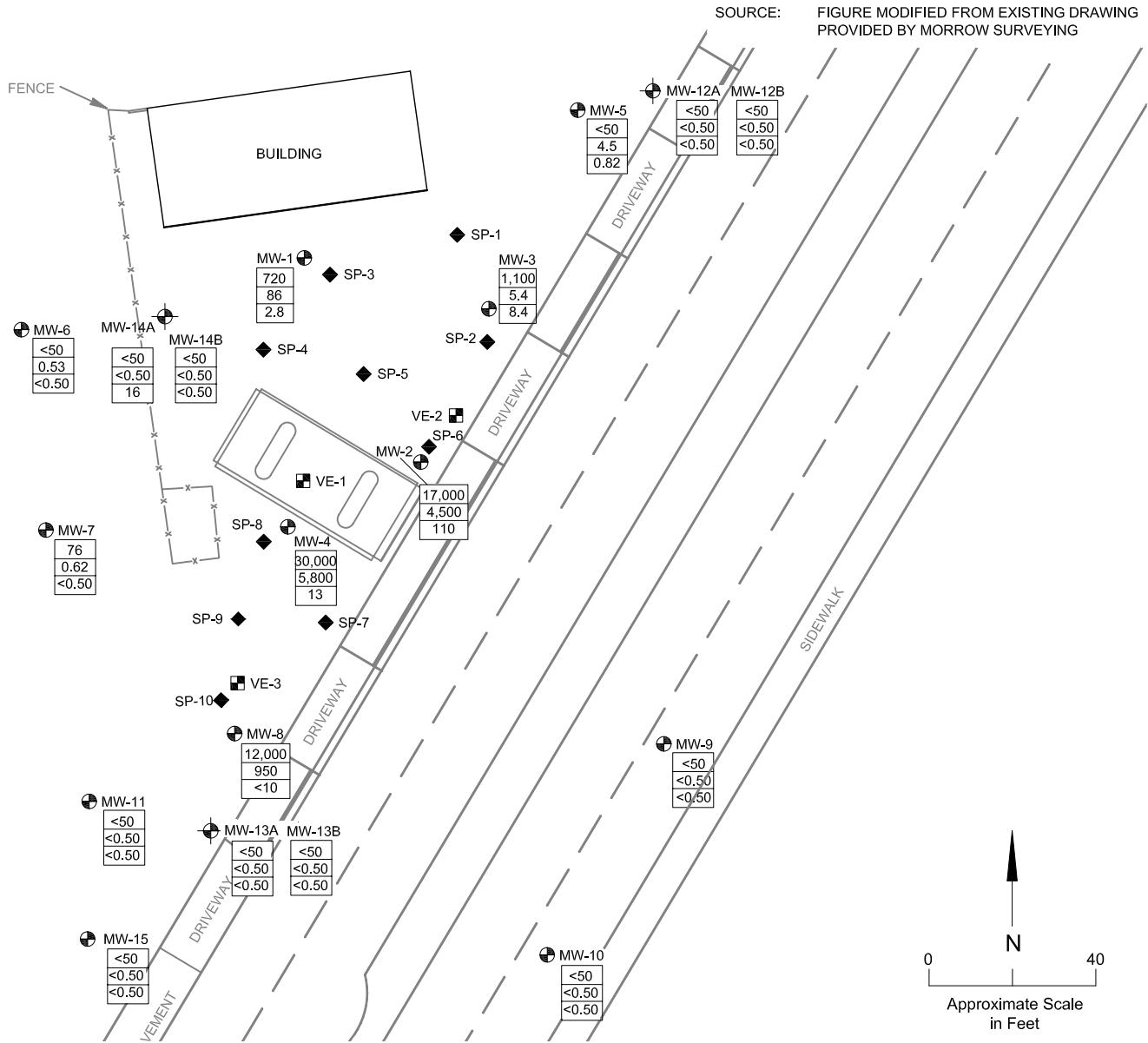
GROUNDWATER ELEVATION CONTOUR MAP DEEP ZONE

Former UNOCAL Station 2672 1075 Santa Rosa Avenue Santa Rosa, California	Quarterly Monitoring Report 2nd Quarter 2005 May 16, 2005	
DRAWN BY	DATE	PROJECT NUMBER
E. Cowan	6/2/2005 PR	06940-268

FIGURE

5

FRANCISCO'S AUTO SERVICE



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CONCENTRATION MAP

Former UNOCAL Station 2672
1075 Santa Rosa Avenue
Santa Rosa, California

Quarterly Monitoring Report
2nd Quarter 2005
May 16, 2005

DRAWN BY	DATE	PROJECT NUMBER
E. Cowan	6/1/2005 PR	06940-268

FIGURE

6

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-1	04/20/89	--	--	--	4,000	48	27	22	64	--	--	
	08/17/89	--	--	--	2,500	200	83	ND	56	--	--	
	11/15/89	--	--	--	2,000	220	60	30	57	--	--	
	03/26/90	--	--	--	5,900	270	150	180	240	--	--	
	06/06/90	--	--	--	7,600	290	250	310	350	--	--	
	09/27/90	--	--	--	ND	0.32	ND	ND	ND	--	--	
	01/16/91	--	--	--	320	50	2.7	0.68	2.1	--	--	
	04/30/91	--	--	--	700	17	2.1	ND	4.8	--	--	
	07/25/91	--	--	--	2,700	360	110	100	130	--	--	
	10/25/91	--	--	--	8,400	850	410	160	1,100	--	--	
	01/30/92	--	--	--	3,600	630	270	170	170	--	--	
	04/30/92	--	--	--	1,600	88	19	38	45	--	--	
	07/22/92	--	--	--	2,700	260	95	100	120	--	--	
	10/14/92	--	--	--	3,700	740	300	160	220	--	--	
	01/13/93	--	--	--	380	1.4	3.7	1.0	1.4	--	--	
154.80	04/12/93	8.91	145.89	0.00	1,400	91	16	55	37	--	--	
	07/10/93	12.07	142.73	0.00	ND	ND	ND	ND	ND	--	--	
154.51	10/12/93	15.30	139.21	0.00	12,000	400	680	590	1,000	--	--	
	01/10/94	12.90	141.61	0.00	210	0.81	0.58	0.92	2.6	--	--	
	04/20/94	11.09	143.42	0.00	380	3.7	2.6	1.5	1.3	--	--	
	07/14/94	13.76	140.75	0.00	3,700	460	160	120	160	--	--	
	10/18/94	16.46	138.05	0.00	8,000	940	410	270	380	--	--	
	01/16/95	6.55	147.96	0.00	2,500	290	62	140	110	--	--	
	04/13/95	6.73	147.78	0.00	4,700	150	45	170	140	--	--	
	07/20/95	11.25	143.26	0.00	3,600	320	140	210	240	--	--	
	10/17/95	14.62	139.89	0.00	14,000	770	320	270	530	-- ¹	--	
	01/18/96	10.67	143.84	0.00	2,300	82	34	120	98	-- ²	--	
	04/17/96	8.06	146.45	0.00	2,800	53	24	120	74	-- ²	--	
	07/18/96	11.31	143.20	0.00	2,000	38	18	61	53	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-1	10/18/96	14.32	140.19	0.00	3,500	570	140	150	160	--	--	
(cont)	01/23/97	9.02	145.49	0.00	92,000	6,800	17,000	1,700	15,000	-- ³	--	
	04/24/97	9.71	144.80	0.00	2,600	67	15	130	66	--	--	
	07/24/97	13.38	141.13	0.00	2,800	190	110	130	130	--	--	
	10/27-28/97	14.51	140.00	0.00	2,300	56	44	160	120	--	--	
	01/21/98	6.73	147.78	0.00	5,300	48	32	280	130	94	--	
	04/15/98	7.21	147.30	0.00	320	6.3	2.0	15	9.0	56/45 ⁶	--	
	07/15/98	10.05	144.46	0.00	1,000	65	ND ⁵	91	45	5 ND /13 ⁶	--	
	10/15/98	13.36	141.15	0.00	3,010	163	91.2	150	137	29.8/14.8 ⁶	--	
	01/27/99	9.62	144.89	0.00	2,200	92	13	94	35	140/8.5 ⁶	--	
	04/22/99	7.56	146.95	0.00	1,300	43	8.9	86	37	87/4.9 ⁶	--	
	07/22/99	12.17	142.34	0.00	2,800 ¹⁰	170	72	120	92	120/10 ¹¹	--	
	10/20/99	12.95	141.56	0.00	330 ¹²	2.5	1.1	11	5.5	15	--	
	01/05/00	13.28	141.23	0.00	ND	ND	ND	ND	ND	ND	--	
	04/06/00	8.77	145.74	0.00	1,900 ¹⁴	90	13	110	36	130	--	
	07/21/00	11.81	142.70	0.00	1,770 ¹²	174	50.2	99.5	70.4	54.9	--	
	10/30/00	13.81	140.70	0.00	ND	ND	ND	ND	ND	71.8	--	
	01/24/01	12.12	142.39	0.00	3,840 ¹⁵	362	129	180	178	ND ⁵	--	
	04/25/01	9.70	144.81	0.00	1,360 ¹⁶	49.7	6.02	38.4	12.8	11.5	--	
	07/25/01	13.21	141.30	0.00	3,000	220	99	130	130	27	--	
	10/24/01	15.63	138.88	0.00	4,600	690	210	300	290	800	--	
154.51	01/23/02 ²⁰	8.55	145.96	0.00	--	--	--	--	--	--	--	
	01/26/02	8.25	146.26	0.00	860	19	<5.0	34	9.5	80	--	
	04/24/02	9.73	144.78	0.00	1,200	1.9	2.5	22	5.7	28	--	
	07/24/02	12.53	141.98	0.00	150	<0.50	0.90	5.7	<0.50	190	--	
	10/18/02	15.05	139.46	0.00	2,300	7.8	7.9	62	14	90	--	
	02/03-04/03	8.40	146.11	0.00	310	0.91	0.80	<0.50	0.94	86	--	
	04/24/03	8.92	145.59	0.00	120 ²⁴	1.2	<0.50	<0.50	<0.50	52/70 ⁶	--	
	07/30/03	11.62	142.89	0.00	<50	<0.50	<0.50	<0.50	<0.50	80/86 ⁶	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-1	10/16/03	14.02	140.49	0.00	<50	<0.50	<0.50	<0.50	<0.50	31/21 ⁶	--	
(cont)	01/07/04	8.12	146.39	0.00	1,300	200	45	77	49	4.26	--	
157.01	05/11/04	10.08	146.93	0.00	500	85	9.9	36	18	1.2	--	
	08/05/04	13.00	144.01	0.00	3,900 ²⁵	340	170	220	240	4.7	--	
	11/03/04	13.59	143.42	0.00	6,500 ²⁵	800	330	480	500	5.5	--	
	02/17/05	9.03	147.98	0.00	160 ²⁶	14	1.1	8.6	1.9	1.4 ⁶	--	
	05/16/05	7.42	149.59	0.00	720 ²⁶	86	5.5	42	9.3	2.8 ⁶	--	
MW-2	04/20/89	--	--	--	68,000	10,000	9,100	1,900	6,600	--	--	
	08/17/89	--	--	--	41,000	7,900	800	680	3,700	--	--	
	11/15/89	--	--	--	4,700	1,100	1,800	530	2,100	--	--	
	03/26/90	--	--	--	--	--	--	--	--	--	--	
	06/06/90	--	--	--	120,000	11,000	20,000	3,800	22,000	--	--	
	09/27/90	--	--	--	--	--	--	--	--	--	--	
	01/16/91	--	--	--	--	--	--	--	--	--	--	
	04/30/91	--	--	--	--	--	--	--	--	--	--	
	07/25/91	--	--	--	--	--	--	--	--	--	--	
	10/25/91	--	--	--	--	--	--	--	--	--	--	
	01/30/92	--	--	--	69,000	11,000	14,000	3,000	14,000	--	--	
	04/30/92	--	--	--	63,000	12,000	10,000	2,600	12,000	--	--	
	07/22/92	--	--	--	76,000	12,000	11,000	2,700	12,000	--	--	
	10/14/92	--	--	--	--	--	--	--	--	--	--	
	01/13/93	--	--	--	--	--	--	--	--	--	--	
	04/12/93	9.13	144.84**	0.01	--	--	--	--	--	--	--	
	07/10/93	12.18	141.78	Sheen	53,000	5,700	12,000	2,500	11,000	--	--	
153.65	10/12/93	15.26	138.41**	0.02	--	--	--	--	--	--	--	
	01/10/94	12.61	141.09**	0.07	--	--	--	--	--	--	--	
	04/20/94	11.02	142.64**	0.01	--	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-2	07/14/94	13.31	140.37**	0.04	--	--	--	--	--	--	--	
(cont)	10/18/94	15.95	137.70	0.00	90,000	12,000	8,100	2,600	7,900	--	--	
	01/16/95	6.85	146.82**	0.02	--	--	--	--	--	--	--	
	04/13/95	6.79	146.86	Sheen	80,000	11,000	13,000	2,500	11,000	--	--	
	07/20/95	10.88	142.77	Sheen	72,000	13,000	12,000	2,800	11,000	--	--	
	10/17/95	14.08	139.57	<0.01/Sheen	200,000	11,000	9,100	2,100	11,000	-- ¹	--	
	01/18/96	10.86	142.79	Sheen	540,000	12,000	17,000	8,800	43,000	-- ²	--	
	04/17/96	8.09	145.56	<0.01/Sheen	64,000	10,000	8,900	2,300	8,700	-- ²	--	
	07/18/96	11.00	142.65	0.00	68,000	5,400	4,900	2,000	6,000	-- ²	--	
	10/18/96	13.55	140.10	Sheen	55,000	10,000	4,700	1,900	5,000	--	--	
	01/23/97	8.95	144.70	Sheen	120,000	6,800	19,000	1,600	16,000	-- ³	--	
	04/24/97	9.66	143.99	Sheen	64,000	12,000	5,500	2,400	5,500	--	--	
	07/24/97	12.80	140.85	<0.01/Sheen	67,000	8,200	5,000	1,900	4,400	--	--	
	10/27-28/97	14.15	139.50	Sheen	240,000	7,600	13,000	4,300	24,000	--	--	
	01/21/98 ⁸	6.84	146.81	0.00/Sheen	86,000	9,900	7,100	2,100	13,000	1,400	--	
	04/15/98 ⁸	7.33	146.32	0.00	81,000	8,300	9,700	2,300	11,000	2,300/49 ⁶	--	
	07/15/98 ⁸	9.86	143.79	0.00	70,000	10,000	5,600	2,300	7,900	5ND/420 ⁶	--	
	10/15/98 ⁸	12.74	140.91	0.00	74,400	11,400	4,430	2,330	4,880	767/ND ^{5,6}	--	
	01/27/99 ⁸	9.63	144.02	0.00/Sheen	110,000	11,000	11,000	5,100	19,000	4,700/190 ⁶	--	
	04/22/99	7.48	146.17	0.00	76,000	10,000	6,000	2,300	8,700	2,700/270 ⁶	--	
	07/22/99 ⁸	11.64	142.01	0.00	65,000	10,000	5,700	2,100	6,900	5ND/340 ¹¹	--	
	10/20/99 ⁸	12.56	141.09	0.00	68,000 ¹²	6,000	4,800	2,800	11,000	ND ⁵	--	
	01/05/00 ⁸	12.66	140.99	0.00	51,200 ¹²	4,460	4,600	1,680	7,200	ND ⁵	--	
	04/06/00 ⁸	8.85	144.80	0.00/Sheen	91,000 ¹²	8,200	12,000	3,500	15,000	2,400	--	
	07/21/00 ⁸	11.40	142.25	0.00/Sheen	57,900 ¹²	9,290	7,120	2,320	7,770	ND ⁵	--	
153.65	10/30/00 ⁸	13.34	140.31	0.00	50,200 ¹²	4,870	4,280	2,050	7,840	1,190	--	
	01/24/01 ⁸	11.75	141.90	0.00	96,600 ¹⁵	8,820	6,490	2,770	6,760	ND ⁵	--	
	04/25/01 ⁸	9.46	144.19	0.00	78,500 ¹⁷	9,400	13,700	3,480	14,700	ND ⁵	--	
	07/25/01 ⁸	12.75	140.90	0.00	62,000	4,200	5,600	2,200	9,700	<1,200	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-2 (cont)	10/24/01 ⁸	15.09	138.56	0.00	84,000	6,200	6,300	2,400	9,600	3,300	--	
	01/23/02 ^{8,20}	8.17	145.48	0.00	--	--	--	--	--	--	--	
	01/26/02 ⁸	7.92	145.73	0.00	45,000	4,400	4,900	1,800	6,700	290	--	
	04/24/02 ⁸	9.37	144.28	0.00	64,000	6,100	7,500	2,400	11,000	<250	--	
	07/24/02 ⁸	12.45	141.20	0.00	54,000	4,000	4,900	2,300	9,400	270	--	
	10/18/02	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	
	02/03-04/03 ⁸	8.26	145.39	0.00	61,000	6,000	6,000	2,200	10,000	<250	--	
	04/24/03	8.36	145.29	0.00	41,000	5,500	6,200	2,200	9,300	<400/<100 ⁶	--	
	07/30/03 ⁸	11.34	142.31	0.00	35,000	3,200	3,600	1,800	6,500	1,600/220 ⁶	--	
	10/16/03 ⁸	13.84	139.81	0.00	41,000	3,200	3,200	1,600	7,800	390/86 ⁶	--	
156.18	01/07/04	7.96	145.69	0.00	46,000	6,200	1,900	1,400	7,000	330	--	
	05/11/04	10.75	145.43	0.00	69,000	1,200	1,300	1,500	3,100	280	--	
	08/05/04	12.55	143.63	0.00	37,000 ²⁵	3,600	380	1,200	3,100	15	--	
	11/03/04	13.01	143.17	0.00	20,000 ²⁵	3,200	330	1,100	2,200	360	--	
	02/17/05	8.93	147.25	0.00	22,000	1,800	900	910	5,500	100 ⁶	--	
	05/16/05	7.51	148.67	0.00	17,000	4,500	520	960	2,700	110 ⁶	--	
	04/20/89	--	--	--	21,000	900	260	870	1,800	--	--	
	08/17/89	--	--	--	16,000	3,400	480	740	2,400	--	--	
	11/15/89	--	--	--	9,400	1,700	240	180	310	--	--	
	03/26/90	--	--	--	22,000	3,200	450	970	1,600	--	--	
MW-3	06/06/90	--	--	--	11,000	2,100	280	350	480	--	--	
	09/27/90	--	--	--	2,000	570	45	22	46	--	--	
	01/16/91	--	--	--	3,100	840	57	95	90	--	--	
	04/30/91	--	--	--	6,700	690	110	250	380	--	--	
	07/25/91	--	--	--	3,800	800	110	200	230	--	--	
	10/25/91	--	--	--	3,700	1,300	43	130	59	--	--	
	01/30/92	--	--	--	7,700	2,200	140	410	330	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-3	04/30/92	--	--	--	21,000	1,300	310	1,400	2,900	--	--	
(cont)	07/22/92	--	--	--	4,400	640	54	130	160	--	--	
	10/14/92	--	--	--	1,600	250	5.2	6.1	14	--	--	
	01/13/93	--	--	--	13,000	290	20	400	460	--	--	
154.19	04/12/93	8.45	145.74	Sheen	18,000	730	250	910	1,800	--	--	
	07/10/93	11.52	142.67	0.00	5,500	180	33	200	280	--	--	
153.86	10/12/93	14.69	139.17	0.00	17,000	800	240	930	1,500	--	--	
	01/10/94	12.45	141.41	0.00	7,700	200	26	260	270	--	--	
	04/20/94	10.51	143.35	0.00	1,300	37	71	590	910	--	--	
	07/14/94	13.14	140.72	0.00	3,900	310	59	220	270	--	--	
	10/18/94	15.83	138.03	0.00	2,200	140	15	61	50	--	--	
	01/16/95	6.45	147.41	0.00	25,000	710	200	1,200	2,300	--	--	
	04/13/95	6.30	147.56	0.00	23,000	670	270	1,400	2,700	--	--	
	07/20/95	10.67	143.19	0.00	13,000	1,400	310	1,200	2,000	--	--	
	10/17/95	13.99	139.87	0.00	3,700	320	36	130	110	-- ¹	--	
	01/18/96	10.35	143.51	0.00	8,800	480	76	500	760	-- ²	--	
	04/17/96	7.67	146.19	0.00	5,000	330	100	420	540	-- ²	--	
	07/18/96	10.81	143.05	0.00	21,000	800	700	950	2,300	-- ²	--	
	10/18/96	13.63	140.23	0.00	1,100	81	15	67	60	--	--	
	01/23/97	8.68	145.18	0.00	50,000	3,600	9,200	930	8,100	-- ⁴	--	
	04/24/97	9.21	144.65	0.00	13,000	530	220	1,000	1,500	--	--	
	07/24/97	12.68	141.18	0.00	3,800	200	61	250	270	--	--	
10/27-28/97	13.84	140.02	0.00	7,000	560	190	280	750	--	--	--	
	01/21/98	6.54	147.32	0.00	710	15	1.8	6.7	11	70	--	
	04/15/98	6.69	147.17	0.00	4,900	90	28	220	210	160/ND ⁶	--	
	07/15/98	9.31	144.55	0.00	9,100	650	290	1,400	1,900	200/20 ⁶	--	
	10/15/98	12.58	141.28	0.00	3,940	240	49.4	261	216	290/312 ⁶	--	
	01/27/99	9.22	144.64	0.00	14,000	540	190	1,100	1,300	570/19 ⁶	--	
	04/22/99	7.11	146.75	0.00	11,000	270	140	700	1,000	370/ND ^{5,6}	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-3	07/22/99	11.41	142.45	0.00	6,000	280	110	500	580	310/220 ¹¹	--	
(cont)	10/20/99	12.42	141.44	0.00	14,000 ¹²	680	220	1,200	1,400	70	--	
	01/05/00	12.55	141.31	0.00	8,840 ¹²	324	114	671	628	ND ⁴	--	
153.86	04/06/00	8.13	145.73	0.00	10,000 ¹²	200	150	730	730	420	--	
	07/21/00	11.11	142.75	0.00	3,250 ¹²	114	58.4	333	353	147	--	
	10/30/00	13.10	140.76	0.00	1,340 ¹²	33.4	5.69	45.6	26.6	36.4	--	
	01/24/01	11.53	142.33	0.00	3,600 ¹⁵	115	36.6	266	228	180	--	
	04/25/01	9.19	144.67	0.00	11,700 ^{16,18}	64.6	77.7	917	980	11.4	--	
	07/25/01	12.46	141.40	0.00	1,900	39	25	110	100	140	--	
	10/24/01	14.90	138.96	0.00	1,600	79	14	64	27	440	--	
	01/23/02 ²⁰	8.05	145.81	0.00	--	--	--	--	--	--	--	
	01/26/02	7.79	146.07	0.00	2,700	19	12	180	170	150	--	
	04/24/02	9.16	144.70	0.00	10,000	73	110	680	730	51	--	
	07/24/02	11.71	142.15	0.00	3,500	35	30	210	200	26	--	
	10/18/02	14.18	139.68	0.00	5,000	130	49	320	280	140	--	
	02/03-04/03	8.11	145.75	0.00	680	<0.50	1.8	3.9	8.7	12	--	
	04/24/03	7.89	145.97	0.00	3,300	41	32	320	290	100/<10 ⁶	--	
	07/30/03	10.84	143.02	0.00	350	1.5	1.1	1.4	2.4	12/<2.0 ⁶	--	
	10/16/03	13.36	140.50	0.00	620	12	7.4	14	25	12/<2.0 ⁶	--	
	01/07/04	9.10	144.76	0.00	830	14	7.4	45	43	29	--	
156.37	05/11/04	9.60	146.77	0.00	830	11	9.7	32	24	39	--	
	08/05/04	12.23	144.14	0.00	1,200 ²⁵	14	9.2	22	16	76	--	
	11/03/04	12.72	143.65	0.00	1,000 ²⁵	8.3	6.6	17	11	53	--	
	02/17/05	8.49	147.88	0.00	1,100 ²⁶	4.1	2.1	42	37	7.3 ⁶	--	
	05/16/05	6.90	149.47	0.00	1,100 ²⁶	5.4	3.1	57	52	8.4 ⁶	--	
MW-4	04/20/89	--	--	--	100,000	18,000	14,000	2,000	7,900	--	--	
	08/17/89	--	--	--	79,000	7,800	7,600	1,500	6,100	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-4	11/15/89	--	--	--	73,000	6,300	1,100	820	3,300	--	--	
(cont)	03/26/90	--	--	--	--	--	--	--	--	--	--	
	06/06/90	--	--	--	--	--	--	--	--	--	--	
	09/27/90	--	--	--	--	--	--	--	--	--	--	
	01/16/91	--	--	--	--	--	--	--	--	--	--	
	04/30/91	--	--	--	--	--	--	--	--	--	--	
	07/25/91	--	--	--	--	--	--	--	--	--	--	
	10/25/91	--	--	--	--	--	--	--	--	--	--	
	01/30/92	--	--	--	--	--	--	--	--	--	--	
	04/30/92	--	--	--	--	--	--	--	--	--	--	
	07/22/92	--	--	--	100,000	21,000	27,000	4,000	21,000	--	--	
	10/14/92	--	--	--	--	--	--	--	--	--	--	
	01/13/93	--	--	--	--	--	--	--	--	--	--	
153.88	04/12/93	8.70	145.20**	0.03	--	--	--	--	--	--	--	
	07/10/93	11.60	142.28	Sheen	100,000	20,000	35,000	3,600	19,000	--	--	
153.13	10/12/93	14.72	138.55**	0.19	--	--	--	--	--	--	--	
	01/10/94	11.92	141.32**	0.15	--	--	--	--	--	--	--	
	04/20/94	10.08	143.11**	0.08	--	--	--	--	--	--	--	
	07/14/94	12.52	140.63**	0.02	--	--	--	--	--	--	--	
	10/18/94	15.40	137.84**	0.14	--	--	--	--	--	--	--	
	01/16/95	5.97	147.73**	0.76	--	--	--	--	--	--	--	
	04/13/95	5.95	147.18	<0.01/Sheen	94,000	15,000	13,000	2,800	14,000	--	--	
	07/20/95	10.20	142.95**	0.02	--	--	--	--	--	--	--	
	10/17/95	13.33	139.80	<0.01/Sheen	95,000	14,000	14,000	1,800	9,400	--	--	
	01/18/96	8.80	144.33	<0.01/Sheen	340,000	14,000	19,000	6,200	34,000	-- ²	--	
	04/17/96	7.32	145.81	Sheen	67,000	13,000	11,000	2,400	11,000	-- ²	--	
	07/18/96	10.28	142.85	<0.01/Sheen	91,000	8,900	8,900	2,400	9,400	-- ²	--	
	10/18/96	12.72	140.41	<0.01/Sheen	110,000	15,000	13,000	3,700	17,000	--	--	
	01/23/97	8.34	144.80**	0.01	130,000	7,300	21,000	1,800	18,000	-- ³	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-4	04/24/97	8.96	144.17	<0.01/Sheen	160,000	15,000	13,000	3,700	17,000	--	--	
(cont)	07/24/97	12.07	141.06	<0.01/Sheen	130,000	11,000	13,000	2,600	13,000	--	--	
	10/27-28/97	13.40	139.73	Sheen	200,000	14,000	27,000	4,100	24,000	--	--	
	01/21/98 ⁸	5.72	147.41	0.00/Sheen	130,000	11,000	21,000	2,700	16,000	ND ⁵	--	
	04/15/98 ⁸	6.87	146.26	0.00	89,000	13,000	19,000	2,800	15,000	2,600/36 ⁶	--	
	07/15/98 ⁸	9.10	144.03	0.00	120,000	15,000	14,000	3,600	18,000	ND/ND ^{5,6}	--	
	10/15/98 ⁸	12.10	141.03	0.00/Sheen	128,000	18,000	15,900	3,450	17,400	307/ND ^{5,6}	--	
	01/27/99 ⁸	8.72	144.41	0.00/Sheen	120,000	15,000	16,000	3,500	18,000	ND/57 ⁶	--	
	04/22/99	6.71	146.42	0.00	110,000	14,000	13,000	2,800	15,000	2,800/ND ^{5,6}	--	
	07/22/99 ⁸	11.06	142.07	0.00/Sheen	120,000	16,000	14,000	3,100	15,000	ND/ND ¹¹	--	
	10/20/99 ¹³	12.02	141.11	0.00	140,000 ¹²	11,000	21,000	5,800	25,000	2,900	--	
	01/05/00 ¹³	12.36	140.77	0.00	83,800 ¹²	4,400	12,800	2,360	14,300	ND ⁵	--	
	04/06/00	7.77	145.36	0.00/Sheen	200,000 ¹²	15,000	20,000	5,700	25,000	ND ⁵	--	
	07/21/00	10.75	142.38	0.00/Sheen	73,400 ¹²	13,900	12,600	2,650	12,400	ND ⁵	--	
	10/30/00	12.77	140.36	0.00	96,900 ¹²	4,230	17,000	3,440	22,400	ND ⁵	--	
	01/24/01	10.97	142.16	0.00	335,000 ¹⁵	5,880	18,700	6,500	29,500	ND ⁵	--	
153.13	04/25/01	8.75	144.38	0.00	87,700 ^{17,18}	14,200	16,200	3,740	17,700	43.3	--	
	07/25/01	12.03	141.10	0.00	120,000	9,200	17,000	3,400	19,000	<500	--	
	10/24/01 ¹⁹	14.75	138.75**	0.49	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	01/23/02 ²¹	7.44	145.86**	0.22	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	04/24/02	8.81	144.36**	0.05	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	07/24/02 ²²	11.53	141.65**	0.06	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	10/18/02 ²²	13.81	139.37**	0.07	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	02/03-04/03 ²²	7.16	146.03**	0.08	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	04/24/03	7.60	145.60**	0.09	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	07/30/03	10.68	142.50**	0.06	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	10/16/03	13.59	139.54	0.00	82,000	6,400	9,800	2,200	20,000	<200/<200 ⁶	--	
	01/07/04	7.21	145.92	0.00	88,000	9,400	6,400	2,200	16,000	50	--	
155.64	05/11/04	9.30	146.34	0.00	51,000	2,400	2,900	1,400	6,600	12	--	

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Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-4 (cont)	08/05/04	11.85	143.79	0.00/Sheen	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	11/02/04	12.52	143.12	0.00/Sheen	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	02/17/05	--	--	0.00/Sheen	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT							
	05/16/05	9.60	146.04	0.00	30,000	5,800	2,600	1,400	8,700	13 ⁶	--	
MW-5	11/15/89	--	--	--	ND	ND	ND	ND	ND	--	--	
	03/26/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	06/06/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	09/27/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/16/91	--	--	--	14	1.2	2.3	0.53	2.3	--	--	
	04/30/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	10/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/30/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	04/30/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/22/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	10/14/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/13/93	--	--	--	ND	ND	ND	ND	ND	--	--	
153.42	04/12/93	8.25	145.17	0.00	ND	ND	ND	ND	ND	--	--	
	07/10/93	11.31	142.11	0.00	SAMPLED SEMI-ANNUALLY	--	--	--	--	--	--	
153.01	10/12/93	14.40	138.61	0.00	ND	ND	ND	ND	ND	--	--	
	01/10/94	12.07	140.94	0.00	--	--	--	--	--	--	--	
	04/20/94	10.36	142.65	0.00	ND	ND	ND	ND	ND	1.4	--	
	07/14/94	13.20	139.81	0.00	--	--	--	--	--	--	--	
	10/18/94	15.96	137.05	0.00	ND	ND	ND	ND	ND	0.75	--	
	01/16/95	5.79	147.22	0.00	--	--	--	--	--	--	--	
	04/13/95	6.18	146.83	0.00	ND	ND	ND	ND	ND	--	--	
	07/20/95	10.77	142.24	0.00	--	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-5	10/17/95	14.18	138.83	0.00	ND	ND	ND	ND	ND	--	--	
(cont)	01/18/96	9.88	143.13	0.00	--	--	--	--	--	--	--	
	04/17/96	7.50	145.51	0.00	ND	ND	ND	ND	ND	--	--	
	07/18/96	10.80	142.21	0.00	--	--	--	--	--	--	--	
	10/18/96	13.85	139.16	0.00	ND	ND	ND	ND	ND	--	--	
	01/23/97	8.39	144.62	0.00	--	--	--	--	--	--	--	
	04/24/97	9.01	144.00	0.00	ND	ND	ND	ND	ND	--	--	
	07/24/97	12.80	140.21	0.00	--	--	--	--	--	--	--	
	10/27-28/97	14.30	138.71	0.00	ND	ND	ND	ND	ND	--	--	
	01/21/98	6.00	147.01	0.00	--	--	--	--	--	--	--	
	04/15/98	6.60	146.41	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	--	
	07/15/98	9.42	143.59	0.00	--	--	--	--	--	--	--	
	10/15/98	12.76	140.25	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	--	
	01/27/99	8.92	144.09	0.00	--	--	--	--	--	--	--	
	04/22/99 ⁹	6.86	146.15	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	--	
	07/22/99	11.52	141.49	0.00	--	--	--	--	--	--	--	
	10/20/99	12.38	140.63	0.00	ND	ND	ND	ND	ND	ND	--	
	01/05/00	12.49	140.52	0.00	--	--	--	--	--	--	--	
	04/06/00	7.95	145.06	0.00	ND	ND	ND	ND	ND	3.2	--	
	07/21/00	10.93	142.08	0.00	SAMPLED SEMI-ANNUALLY							
	10/30/00	13.32	139.69	0.00	ND	ND	ND	ND	ND	ND	--	
	01/24/01	11.36	141.65	0.00	--	--	--	--	--	--	--	
	04/25/01	8.78	144.23	0.00	ND	ND	ND	ND	1.06	1.47	--	
	07/25/01	12.55	140.46	0.00	--	--	--	--	--	--	--	
	10/24/01	15.00	138.01	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	01/23/02	7.60	145.41	0.00	--	--	--	--	--	--	--	
	04/24/02	9.00	144.01	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	07/24/02	12.07	140.94	0.00	--	--	--	--	--	--	--	
153.01	10/18/02	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-5	02/03-04/03	7.47	145.54	0.00	SAMPLED SEMI-ANNUALLY	--	--	--	--	--	--	
(cont)	04/24/03	7.50	145.51	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	--	
	07/30/03	10.96	142.05	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	--	
	10/16/03	13.45	139.56	0.00	<50	<0.50	0.73	<0.50	1.1	<2.0/<2.0 ⁶	--	
	01/07/04	7.30	145.71	0.00	<50	<0.50	<0.50	<0.50	<1.0	0.8	--	
156.54	05/11/04	9.22	147.32	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	08/05/04	12.26	144.28	0.00	<50	<0.50	<0.50	<0.50	<1.0	0.79	--	
	11/03/04	12.67	143.87	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	8.20	148.34	0.00	<50	<0.50	<0.50	0.56	2.2	<0.50 ⁶	--	
	05/16/05	7.77	148.77	0.00	<50	4.5	1.7	2.0	12	0.82 ⁶	--	
MW-6	06/06/90	--	--	--	ND	2.0	6.0	0.64	3.2	--	--	
	09/27/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/16/91	--	--	--	ND	ND	0.18	ND	0.51	--	0.15	
	04/30/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/25/91	--	--	--	ND	ND	ND	ND	ND	--	ND	
	10/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/30/92	--	--	--	ND	ND	ND	ND	ND	--	ND	
	04/30/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/22/92	--	--	--	ND	ND	ND	ND	ND	--	ND	
	10/14/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/13/93	--	--	--	ND	ND	ND	ND	ND	--	25	
152.88	04/12/93	6.98	145.90	0.00	ND	ND	ND	ND	ND	--	--	
	07/10/93	10.02	142.86	0.00	SAMPLED SEMI-ANNUALLY	--	--	--	--	--	--	
152.64	10/12/93	13.29	139.35	0.00	ND	ND	ND	ND	ND	--	1.2	
	01/10/94	10.84	141.80	0.00	--	--	--	--	--	--	--	
	04/20/94	9.72	142.92	0.00	ND	ND	ND	ND	ND	--	0.29	
	07/14/94	13.34	139.30	0.00	--	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-6 (cont)	10/18/94	16.02	136.62	0.00	ND	ND	ND	ND	ND	--	ND	
	01/16/95	4.91	147.73	0.00	--	--	--	--	--	--	--	
	04/13/95	5.29	147.35	0.00	ND	ND	ND	ND	ND	--	68	
	07/20/95	9.79	142.85	0.00	--	--	--	--	--	--	--	
	10/17/95	14.25	138.39	0.00	ND	ND	ND	ND	ND	--	0.63	
	01/18/96	8.88	143.76	0.00	--	--	--	--	--	--	--	
	04/17/96	6.53	146.11	0.00	ND	ND	ND	ND	ND	--	6.8	
	07/18/96	9.83	142.81	0.00	SAMPLED SEMI-ANNUALLY							
	10/18/96	14.02	138.62	0.00	ND	ND	ND	ND	ND	--	3.4	
	01/23/97	7.62	145.02	0.00	--	--	--	--	--	--	--	
	04/24/97	8.50	144.14	0.00	ND	ND	ND	ND	ND	--	0.96	
	07/24/97	13.11	139.53	0.00	--	--	--	--	--	--	--	
	10/27-28/97	14.38	138.26	0.00	ND	ND	ND	ND	ND	--	ND	
	01/21/98	5.26	147.38	0.00	--	--	--	--	--	--	--	
	04/15/98	7.14	145.50	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	ND	
	07/15/98	8.86	143.78	0.00	--	--	--	--	--	--	--	
	10/15/98 ⁷	13.18	139.46	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	ND	
	01/27/99	8.62	144.02	0.00	--	--	--	--	--	--	--	
	04/22/99	6.28	146.36	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	4.3	
	07/22/99	11.61	141.03	0.00	--	--	--	--	--	--	--	
	10/20/99	12.73	139.91	0.00	ND	ND	ND	ND	ND	ND	0.50	
	01/05/00	13.07	139.57	0.00	--	--	--	--	--	--	--	
	04/06/00	7.47	145.17	0.00	ND	ND	ND	ND	ND	ND	5.3	
	07/21/00	11.32	141.32	0.00	--	--	--	--	--	--	--	
	10/30/00	13.75	138.89	0.00	ND	ND	ND	ND	ND	ND	ND	
152.64	01/24/01	11.75	140.89	0.00	--	--	--	--	--	--	--	
	04/25/01	8.63	144.01	0.00	ND	ND	ND	ND	ND	ND	1.5	
	07/25/01	12.96	139.68	0.00	--	--	--	--	--	--	--	
	10/24/01	15.16	137.48	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-6	01/23/02	6.86	145.78	0.00	SAMPLED SEMI-ANNUALLY	--	--	--	--	--	--	
(cont)	04/24/02	8.38	144.26	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.760	
	07/24/02	12.24	140.40	0.00	--	--	--	--	--	--	--	
	10/18/02	14.75	137.89	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.20 ²³	
	02/03-04/03	6.83	145.81	0.00	SAMPLED SEMI-ANNUALLY	--	--	--	--	--	--	
	04/24/03	7.28	145.36	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	--	
	07/30/03	11.02	141.62	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	--	
	10/16/03	13.86	138.78	0.00	<50	<0.50	0.71	<0.50	1.1	<2.0/<2.0 ⁶	--	
	01/07/04	6.82	145.82	0.00	220	<0.50	<0.50	<0.50	<1.0	<0.50	--	
156.18	05/11/04	8.93	147.25	0.00	74	1.6	3.6	2.7	12	<0.50	--	
	08/05/04	12.93	143.25	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	11/03/04	13.61	142.57	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	7.91	148.27	0.00	<50	<0.50	<0.50	<0.50	1.0	<0.50 ⁶	--	
	05/16/05	6.80	149.38	0.00	<50	0.53	<0.50	<0.50	2.0	<0.50⁶	--	
MW-7	06/06/90	--	--	--	ND	0.3	3.6	ND	0.52	--	--	
	09/27/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/16/91	--	--	--	ND	0.59	0.42	ND	0.3	--	0.34	
	04/30/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/25/91	--	--	--	ND	ND	ND	ND	ND	--	ND	
	10/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/30/92	--	--	--	ND	ND	ND	ND	ND	--	ND	
	04/30/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/22/92	--	--	--	ND	ND	ND	ND	ND	--	ND	
	10/14/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/13/93	--	--	--	ND	ND	ND	ND	ND	--	25	
152.51	04/12/93	7.55	144.96	0.00	ND	ND	ND	ND	ND	--	--	
	07/10/93	10.47	142.04	0.00	SAMPLED SEMI-ANNUALLY	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
152.23	10/12/93	13.72	138.51	0.00	ND	ND	ND	ND	ND	--	2.8	
MW-7	01/10/94	11.22	141.01	0.00	--	--	--	--	--	--	--	
(cont)	04/20/94	10.08	142.15	0.00	ND	ND	ND	ND	0.58	--	0.27	
	07/14/94	12.90	139.33	0.00	--	--	--	--	--	--	--	
	10/18/94	15.56	136.67	0.00	ND	ND	ND	ND	0.99	--	ND	
	01/16/95	5.31	146.92	0.00	--	--	--	--	--	--	--	
	04/13/95	5.92	146.31	0.00	ND	0.86	ND	ND	ND	--	ND	
	07/20/95	10.40	141.83	0.00	--	--	--	--	--	--	--	
	10/17/95	13.74	138.49	0.00	ND	ND	ND	ND	ND	-- ¹	ND	
	01/18/96	9.46	142.77	0.00	--	--	--	--	--	--	--	
	04/17/96	7.08	145.15	0.00	ND	ND	ND	ND	ND	--	0.42	
	07/18/96	10.03	142.20	0.00	--	--	--	--	--	--	--	
	10/18/96	13.31	138.92	0.00	ND	ND	ND	ND	ND	--	0.81	
	01/23/97	8.01	144.22	0.00	--	--	--	--	--	--	--	
	04/24/97	8.95	143.28	0.00	ND	ND	ND	ND	ND	--	ND	
	07/24/97	12.40	139.83	0.00	--	--	--	--	--	--	--	
10/27-28/97	13.87	138.36	0.00	ND	ND	ND	ND	ND	ND	--	ND	
01/21/98	5.40	146.83	0.00	--	--	--	--	--	--	--	--	
04/15/98	7.18	145.05	0.00	ND	ND	ND	ND	ND	ND	ND/ND ⁶	ND	
07/15/98	9.01	143.22	0.00	--	--	--	--	--	--	--	--	
10/15/98 ⁷	12.51	139.72	0.00	ND	ND	ND	ND	ND	ND	ND/ND ⁶	ND	
01/27/99	8.67	143.56	0.00	--	--	--	--	--	--	--	--	
04/22/99	6.78	145.45	0.00	ND	ND	ND	ND	ND	ND	ND/ND ⁶	0.23	
07/22/99	11.38	140.85	0.00	--	--	--	--	--	--	--	--	
10/20/99	12.62	139.61	0.00	ND	ND	ND	ND	ND	ND	ND	0.11	
01/05/00	12.85	139.38	0.00	--	--	--	--	--	--	--	--	
04/06/00	7.87	144.36	0.00	ND	ND	ND	ND	ND	ND	ND	ND	
07/21/00	11.10	141.13	0.00	SAMPLED SEMI-ANNUALLY							--	
10/30/00	13.61	138.62	0.00	ND	ND	ND	ND	ND	ND	ND	ND	

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-7	01/24/01	11.23	141.00	0.00	--	--	--	--	--	--	--	
(cont)	04/25/01	8.86	143.37	0.00	95.7 ¹⁶	ND	ND	ND	ND	ND	ND	
	07/25/01	12.44	139.79	0.00	--	--	--	--	--	--	--	
	10/24/01	14.68	137.55	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	
	01/23/02	7.33	144.90	0.00	--	--	--	--	--	--	--	
152.23	04/24/02	8.76	143.47	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	
	07/24/02	11.82	140.41	0.00	SAMPLER SEMI-ANNUALLY							
	10/18/02	14.23	138.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	
	02/03-04/03	7.34	144.89	0.00	SAMPLER SEMI-ANNUALLY							
	04/24/03	7.77	144.46	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	
	07/30/03	10.81	141.42	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	
	10/16/03	13.69	138.54	0.00	<50	<0.50	0.69	<0.50	1.0	<2.0/<2.0 ⁶	--	
	01/07/04	7.37	144.86	0.00	220	<0.50	<0.50	<0.50	<1.0	<0.50	--	
155.78	05/11/04	9.20	146.58	0.00	210	3.9	4.8	3.4	13	<0.50	--	
	08/05/04	12.36	143.42	0.00	79 ²⁵	0.91	<0.50	<0.50	<1.0	<0.50	--	
	11/03/04	13.00	142.78	0.00	<50	0.70	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	8.02	147.76	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
	05/16/05	7.57	148.21	0.00	76²⁶	0.62	<0.50	<0.50	<1.0	<0.50⁶	--	
MW-8	11/15/89	--	--	--	30,000	3,300	1,900	490	2,000	--	--	
	03/26/90	--	--	--	52,000	6,500	5,400	1,400	4,500	--	--	
	06/06/90	--	--	--	45,000	6,200	4,100	1,100	3,600	--	--	
	09/27/90	--	--	--	28,000	3,800	1,500	720	1,800	--	--	
	01/16/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	04/30/91	--	--	--	--	--	--	--	--	--	--	
	07/25/91	--	--	--	32,000	4,800	4,200	1,400	3,900	--	--	
	10/25/91	--	--	--	51,000	5,400	3,000	1,100	3,000	--	--	
	01/30/92	--	--	--	29,000	2,800	2,200	1,100	2,800	--	--	

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1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-8	04/30/92	--	--	--	57,000	5,000	6,100	1,700	7,100	--	--	
(cont)	07/22/92	--	--	--	42,000	4,800	4,300	1,300	3,700	--	--	
	10/14/92	--	--	--	4,800	580	230	130	190	--	--	
	01/13/93	--	--	--	26,000	1,600	1,600	830	2,000	--	--	
153.44	04/12/93	8.58	144.86	0.00	41,000	4,200	3,200	1,200	2,800	--	--	
	07/10/93	11.66	141.78	0.00	38,000	2,000	4,200	1,600	4,400	--	--	
153.13	10/12/93	14.72	138.41	<0.01	--	--	--	--	--	--	--	
	01/10/94	12.11	141.02	Sheen	30,000	2,000	2,100	1,100	2,600	--	--	
	04/20/94	10.37	142.76	0.00	43,000	3,700	4,400	1,400	3,700	--	--	
	07/14/94	12.72	140.41	0.00	24,000	4,900	3,800	1,300	3,000	--	--	
	10/18/94	15.36	137.77	0.00	46,000	3,100	2,900	1,300	2,700	--	--	
	01/16/95	6.17	146.96	0.00	41,000	4,000	2,000	1,000	1,800	--	--	
	04/13/95	6.97	146.16	0.00	50,000	7,200	7,100	1,700	5,500	--	--	
	07/20/95	10.78	142.35	Sheen	33,000	4,300	4,600	1,300	3,800	--	--	
	10/17/95	13.61	139.52	Sheen	110,000	2,500	2,800	1,100	3,200	-- ¹	--	
	01/18/96	9.80	143.33	0.00	26,000	3,100	2,100	1,100	2,700	-- ²	--	
	04/17/96	7.98	145.15	0.00	40,000	5,600	5,600	1,400	4,300	-- ²	--	
	07/18/96	10.66	142.47	0.00	47,000	3,000	2,800	1,600	3,900	-- ²	--	
	10/18/96	13.18	139.95	Sheen	45,000	3,000	2,600	1,100	2,800	--	--	
	01/23/97	8.27	144.86	0.00	110,000	7,900	21,000	2,000	18,000	-- ³	--	
	04/24/97	9.49	143.64	Sheen	33,000	2,700	2,500	1,100	2,500	--	--	
	07/24/97	12.32	140.81	Sheen	40,000	2,100	3,000	1,100	2,800	--	--	
	10/27/28/97	13.68	139.45	Sheen	20,000	1,000	1,000	660	1,900	--	--	
	01/21/98	6.32	146.81	0.00	13,000	840	730	70	1,300	ND ⁵	--	
	04/15/98	7.59	145.54	0.00	40,000	4,500	4,800	1,500	4,200	1,400/ND ⁶	--	
	07/15/98	9.63	143.50	0.00	36,000	4,500	4,400	1,500	4,200	6,200/ND ⁶	--	
	10/15/98	12.35	140.78	0.00	32,600	2,880	2,770	1,120	2,890	ND/ND ^{5,6}	--	
	01/27/99	9.02	144.11	0.00	31,000	2,500	2,800	1,300	3,500	⁵ ND/ND ⁶	--	
	04/22/99	7.32	145.81	0.00	43,000	3,600	4,800	1,700	4,800	⁵ ND/71 ⁶	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-8	07/22/99	11.50	141.63	0.00	45,000	4,500	4,800	1,500	4,800	⁵ ND/ND ¹¹	--	
(cont)	10/20/99	12.31	140.82	0.00	21,000 ¹²	780	ND ⁵	570	1,900	ND ⁵	--	
	01/05/00	12.42	140.71	0.00	12,700 ¹²	737	674	488	1,010	ND ⁵	--	
	04/06/00	8.24	144.89	0.00/Sheen	37,000 ¹²	4,400	4,700	1,500	4,000	1,700	--	
	07/21/00	11.16	141.97	0.00/Sheen	22,200 ¹²	3,110	1,590	862	2,070	1,330	--	
	10/30/00	12.88	140.25	0.00	13,200 ¹²	693	815	632	1,300	ND ⁵	--	
	01/24/01	11.32	141.81	0.00	27,300 ¹⁵	3,060	1,570	972	2,270	472	--	
	04/25/01	9.24	143.89	0.00	31,900 ¹⁷	2,390	2,960	1,520	3,550	20.0	--	
	07/25/01	12.30	140.83	0.00	32,000	2,900	2,200	930	2,600	<250	--	
	10/24/01	14.48	138.65	0.00	20,000	2,000	860	830	1,500	1,800	--	
	01/23/02 ²⁰	7.91	145.22	0.00	--	--	--	--	--	--	--	
	01/26/02	7.70	145.43	0.00	25,000	2,100	1,900	1,100	2,300	<250	--	
	04/24/02	9.30	143.83	0.00	32,000	2,300	2,100	970	2,400	57	--	
	07/24/02	11.86	141.27	0.00	24,000	950	740	880	2,000	90	--	
	10/18/02	14.02	139.11	0.00	30,000	2,100	2,400	1,200	3,600	<120	--	
153.13	02/03-04/03	7.75	145.38	0.00	15,000	1,800	880	630	720	<50	--	
	04/24/03	8.33	144.80	0.00	15,000	2,500	2,300	970	2,000	190/<40 ⁶	--	
	07/30/03	11.08	142.05	0.00	7,800	540	310	250	520	320/<10 ⁶	--	
	10/16/03	13.42	139.71	0.00	9,800	800	430	370	710	160/<20 ⁶	--	
	01/07/04	7.80	145.33	0.00	10,000	950	220	170	880	<2.5	--	
155.62	05/11/04	10.55	145.07	0.00	2,100	120	27	64	72	<2.5	--	
	08/05/04	12.55	143.07	0.00	14,000 ²⁵	870	180	390	390	<0.50	--	
	11/03/04	12.70	142.92	0.00	12,000 ²⁵	740	200	500	500	<0.50	--	
	02/17/05	8.65	146.97	0.00	7,000 ²⁶	410	230	220	520	<5.0 ⁶	--	
	05/16/05	7.44	148.18	0.00	12,000	950	310	520	990	<10.0 ⁶	--	
MW-9	11/15/89	--	--	--	ND	ND	ND	ND	ND	--	--	
	03/26/90	--	--	--	44	0.92	0.5	1.3	ND	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-9	06/06/90	--	--	--	ND	ND	0.5	ND	ND	--	--	
(cont)	09/27/90	--	--	--	ND	ND	0.62	ND	ND	--	--	
	01/16/91	--	--	--	ND	ND	ND	ND	0.3	--	--	
	04/30/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	10/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/30/92	INACCESSIBLE		--	--	--	--	--	--	--	--	
	04/30/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/22/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	10/14/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/13/93	--	--	--	ND	ND	ND	ND	ND	--	--	
152.99	04/12/93	7.67	145.32	0.00	ND	ND	ND	ND	ND	--	--	
	07/10/93	10.82	142.17	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
152.67	10/12/93	14.00	138.67	0.00	ND	ND	ND	ND	ND	--	--	
	01/10/94	10.22	142.45	0.00	--	--	--	--	--	--	--	
	04/20/94	8.70	143.97	0.00	ND	ND	ND	ND	ND	--	--	
	07/14/94	10.38	142.29	0.00	--	--	--	--	--	--	--	
	10/18/94	12.76	139.91	0.00	ND	ND	ND	ND	ND	--	--	
	01/16/95	6.11	146.56	0.00	--	--	--	--	--	--	--	
	04/13/95	6.88	145.79	0.00	ND	ND	ND	ND	ND	--	--	
	07/20/95	8.92	143.75	0.00	--	--	--	--	--	--	--	
	10/17/95	11.11	141.56	0.00	ND	ND	ND	ND	ND	--	--	
	01/18/96	8.10	144.57	0.00	--	--	--	--	--	--	--	
	04/17/96	7.27	145.40	0.00	ND	ND	ND	ND	ND	--	--	
	07/18/96	8.88	143.79	0.00	--	--	--	--	--	--	--	
	10/18/96	10.65	142.02	0.00	ND	ND	ND	ND	ND	--	--	
	01/23/97	7.83	144.84	0.00	--	--	--	--	--	--	--	
	04/24/97	8.10	144.57	0.00	ND	ND	ND	ND	ND	--	--	
	07/24/97	9.78	142.89	0.00	--	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-9 (cont)	10/27-28/97	11.11	141.56	0.00	ND	ND	ND	ND	ND	--	--	
	01/21/98	5.12	147.55	0.00	--	--	--	--	--	--	--	
	04/15/98	7.08	145.59	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	--	
	07/15/98	7.85	144.82	0.00	--	--	--	--	--	--	--	
	10/15/98	9.98	142.69	0.00	ND	ND	ND	ND	0.548	ND/ND ⁶	--	
	01/27/99	5.61	147.06	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
	04/22/99	7.21	145.46	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	--	
	07/22/99	9.58	143.09	0.00	--	--	--	--	--	--	--	
	10/20/99	9.85	142.82	0.00	ND	ND	ND	ND	ND	ND	--	
	01/05/00	11.10	141.57	0.00	--	--	--	--	--	--	--	
	04/06/00	7.35	145.32	0.00	ND	ND	ND	ND	ND	ND	--	
	07/21/00	10.20	142.47	0.00	--	--	--	--	--	--	--	
	10/30/00	11.73	140.94	0.00	ND	ND	ND	ND	ND	ND	--	
	01/24/01	10.30	142.37	0.00	--	--	--	--	--	--	--	
	04/25/01	8.27	144.40	0.00	ND	ND	ND	ND	0.598	ND	--	
	07/25/01	11.55	141.12	0.00	--	--	--	--	--	--	--	
	10/24/01	12.05	140.62	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	
	01/23/02	6.22	146.45	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
	04/24/02	8.26	144.41	0.00	<50	<0.50	1.1	<0.50	<0.50	<0.50	<2.5	
	07/24/02	9.74	142.93	0.00	--	--	--	--	--	--	--	
	10/18/02	11.77	140.90	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	
153.01	02/03-04/03	8.26	144.41	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
	04/24/03	7.48	145.19	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	
	07/30/03	INACCESSIBLE - PAVED OVER		--	--	--	--	--	--	--	--	
	10/16/03	11.80	141.21	0.00	<50	<0.50	0.73	<0.50	1.2	<2.0/<2.0 ⁶	--	
	01/07/04	7.22	145.79	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
155.46	05/11/04	9.00	146.46	0.00	<50	<0.50	0.60	<0.50	<1.0	<0.50	--	
	08/05/04	10.60	144.86	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	11/02/04	11.10	144.36	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-9	02/17/05	7.68	147.78	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
(cont)	05/16/05	7.46	148.00	0.00	<50	<0.50	<0.50	<0.50	<1.0	<.50 ⁶	--	
MW-10	11/15/89	--	--	--	ND	ND	ND	ND	ND	--	--	
	03/26/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	06/06/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	09/27/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/16/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	04/30/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	10/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/30/92	INACCESSIBLE	--	--	--	--	--	--	--	--	--	
	04/30/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/22/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	10/14/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/13/93	--	--	--	ND	ND	ND	ND	ND	--	--	
152.71	04/12/93	7.22	145.49	0.00	ND	ND	ND	ND	ND	--	--	
	07/10/93	10.26	142.45	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
152.43	10/12/93	13.48	138.95	0.00	ND	ND	ND	ND	ND	--	--	
	01/10/94	9.98	142.45	0.00	--	--	--	--	--	--	--	
	04/20/94	8.48	143.95	0.00	ND	ND	ND	ND	ND	--	--	
	07/14/94	10.15	142.28	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
	10/18/94	12.50	139.93	0.00	ND	ND	ND	ND	ND	--	--	
	01/16/95	5.90	146.53	0.00	--	--	--	--	--	--	--	
	04/13/95	6.67	145.76	0.00	ND	ND	ND	ND	ND	--	--	
	07/20/95	8.70	143.73	0.00	--	--	--	--	--	--	--	
	10/17/95	10.88	141.55	0.00	ND	ND	ND	ND	ND	--	--	
	01/18/96	7.88	144.55	0.00	--	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-10 (cont)	04/17/96	7.05	145.38	0.00	ND	ND	ND	ND	ND	--	--	
	07/18/96	8.67	143.76	0.00	--	--	--	--	--	--	--	
	10/18/96	10.41	142.02	0.00	ND	ND	ND	ND	ND	--	--	
	01/23/97	7.05	145.38	0.00	--	--	--	--	--	--	--	
	04/24/97	7.88	144.55	0.00	ND	ND	ND	ND	ND	--	--	
	07/24/97	9.56	142.87	0.00	--	--	--	--	--	--	--	
	10/27-28/97	10.88	141.55	0.00	ND	ND	ND	ND	ND	--	--	
	01/21/98	4.81	147.62	0.00	--	--	--	--	--	--	--	
	04/15/98	6.70	145.73	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	--	
	07/15/98	7.67	144.76	0.00	--	--	--	--	--	--	--	
	10/15/98	9.76	142.67	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	--	
	01/27/99	5.46	146.97	0.00	--	--	--	--	--	--	--	
	04/22/99	7.02	145.41	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	--	
	07/22/99	9.37	143.06	0.00	--	--	--	--	--	--	--	
	10/20/99	9.67	142.76	0.00	ND	ND	ND	ND	ND	ND	--	
	01/05/00	9.88	142.55	0.00	--	--	--	--	--	--	--	
	04/06/00	7.15	145.28	0.00	ND	ND	ND	ND	ND	ND	--	
	07/21/00	9.98	142.45	0.00	--	--	--	--	--	--	--	
	10/30/00	10.65	141.78	0.00	ND	ND	ND	ND	ND	ND	--	
	01/24/01	10.11	142.32	0.00	--	--	--	--	--	--	--	
	04/25/01	8.06	144.37	0.00	ND	ND	ND	ND	ND	ND	--	
	07/25/01	11.36	141.07	0.00	--	--	--	--	--	--	--	
	10/24/01	11.91	140.52	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	
	01/23/02	6.12	146.31	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
	04/24/02	8.06	144.37	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	
	07/24/02	9.97	142.46	0.00	--	--	--	--	--	--	--	
	10/18/02	11.50	140.93	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	
	02/03-04/03	8.11	144.32	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
	04/24/03	7.30	145.13	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
	07/30/03		INACCESSIBLE - PAVED OVER		--	--	--	--	--	--	--	
152.64	10/16/03	10.88	141.76	0.00	<50	<0.50	0.76	<0.50	1.2	<2.0/<2.0 ⁶	--	
	01/07/04	6.95	145.69	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
155.03	05/11/04	8.60	146.43	0.00	<50	0.61	1.1	0.66	2.6	<0.50	--	
MW-10	08/05/04	10.19	144.84	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
(cont)	11/02/04	10.65	144.38	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	8.02	147.01	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
	05/16/05	7.09	147.94	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50⁶	--	
MW-11	06/06/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	09/27/90	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/16/91	--	--	--	ND	ND	ND	ND	ND	--	0.13	
	04/30/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/25/91	--	--	--	ND	0.39	ND	0.52	3.1	--	ND	
	10/25/91	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/30/92	--	--	--	ND	ND	ND	ND	ND	--	ND	
	04/30/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	07/22/92	--	--	--	ND	ND	ND	ND	ND	--	13	
	10/14/92	--	--	--	ND	ND	ND	ND	ND	--	--	
	01/13/93	--	--	--	ND	ND	ND	ND	ND	--	25	
151.99	04/12/93	5.98	146.01	0.00	ND	ND	ND	ND	ND	--	--	
	07/10/93	9.64	142.35	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
151.37	10/12/93	12.51	138.86	0.00	ND	ND	ND	ND	ND	--	0.49	
	01/10/94	10.11	141.26	0.00	--	--	--	--	--	--	--	
	04/20/94	8.67	142.70	0.00	ND	ND	ND	ND	ND	--	0.28	
	07/14/94	11.94	139.43	0.00	--	--	--	--	--	--	--	
	10/18/94	14.58	136.79	0.00	ND	ND	ND	ND	1.4	--	ND	
	01/16/95	3.80	147.57	0.00	--	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-11	04/13/95	4.23	147.14	0.00	ND	ND	ND	ND	ND	--	ND	
(cont)	07/20/95	8.72	142.65	0.00	--	--	--	--	--	--	--	
	10/17/95	12.77	138.60	0.00	ND	ND	ND	ND	ND	-- ¹	ND	
	01/18/96	7.10	144.27	0.00	--	--	--	--	--	--	--	
	04/17/96	5.28	146.09	0.00	ND	ND	ND	ND	ND	--	0.47	
	07/18/96	8.95	142.42	0.00	--	--	--	--	--	--	--	
	10/18/96	12.37	139.00	0.00	ND	ND	ND	ND	ND	--	2.4	
	01/23/97	7.76	143.61	0.00	--	--	--	--	--	--	--	
	04/24/97	6.88	144.49	0.00	ND	ND	ND	ND	ND	--	ND	
	07/24/97	11.44	139.93	0.00	--	--	--	--	--	--	--	
	10/27-28/97	12.90	138.47	0.00	ND	ND	ND	ND	ND	--	ND	
	01/21/98	4.06	147.31	0.00	--	--	--	--	--	--	--	
	04/15/98	7.26	144.11	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	ND	
	07/15/98	7.06	144.31	0.00	SAMPLED SEMI-ANNUALLY							
	10/15/98 ⁷	11.54	139.83	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	ND	
	01/27/99	6.87	144.50	0.00	--	--	--	--	--	--	--	
	04/22/99	5.13	146.24	0.00	ND	ND	ND	ND	ND	ND/ND ⁶	ND	
	07/22/99	10.56	140.81	0.00	--	--	--	--	--	--	--	
	10/20/99	11.36	140.01	0.00	ND	ND	ND	ND	ND	ND	ND	
	01/05/00	11.60	139.77	0.00	--	--	--	--	--	--	--	
	04/06/00	5.93	145.44	0.00	ND	ND	ND	ND	ND	ND	ND	
	07/21/00	10.30	141.07	0.00	--	--	--	--	--	--	--	
	10/30/00	11.94	139.43	0.00	ND	ND	ND	ND	ND	ND	ND	
	01/24/01	10.42	140.95	0.00	--	--	--	--	--	--	--	
	04/25/01	8.29	143.08	0.00	ND	ND	ND	ND	ND	ND	ND	
	07/25/01	11.50	139.87	0.00	--	--	--	--	--	--	--	
151.37	10/24/01	13.70	137.67	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	
	01/23/02	5.49	145.88	0.00	--	--	--	--	--	--	--	
	04/24/02	6.74	144.63	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.200	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-11	07/24/02	11.07	140.30	0.00	--	--	--	--	--	--	--	
(cont)	10/18/02	13.24	138.13	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<0.20 ²³	
	02/03-04/03	5.47	145.90	0.00	SAMPLED SEMI-ANNUALLY							
	04/24/03	6.00	145.37	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	--	
	07/30/03	9.67	141.70	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.0/<2.0 ⁶	--	
	10/16/03	12.67	138.70	0.00	<50	<0.50	0.64	<0.50	0.97	<2.0/<2.0 ⁶	--	
	01/07/04	5.43	145.94	0.00	930	2.8	<0.50	<0.50	1.9	<0.50	--	
154.86	05/11/04	7.30	147.56	0.00	210	5.0	7.1	5.3	18	<0.50	--	
	08/05/04	11.40	143.46	0.00	<50	0.78	<0.50	<0.50	<0.50	<0.50	--	
	11/03/04	11.89	142.97	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	
	02/17/05	6.48	148.38	0.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50 ⁶	--	
	05/16/05	5.43	149.43	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50⁶	--	
MW-12A												
156.61	05/11/04	11.36	145.25	0.00	<50	2.4	3.1	1.3	5.2	<0.50	--	
	08/05/04	13.80	142.81	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	11/02/04	14.28	142.33	0.00	<50	0.70	0.71	<0.50	<1.0	<0.50	--	
	02/17/05	10.16	146.45	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
	05/16/05	9.01	147.60	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50⁶	--	
MW-12B												
156.54	05/11/04	12.43	144.11	0.00	<50	0.77	1.2	<0.50	2.0	<0.50	--	
	08/05/04	14.91	141.63	0.00	<50	0.69	0.63	<0.50	<1.0	<0.50	--	
	11/02/04	15.29	141.25	0.00	<50	0.65	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	11.20	145.34	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
	05/16/05	10.23	146.31	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50⁶	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-13A												
155.48	05/11/04	10.70	144.78	0.00	<50	0.71	0.85	<0.50	1.9	<0.50	--	
	08/05/04	13.11	142.37	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	11/02/04	13.48	142.00	0.00	<50	0.65	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	9.46	146.02	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
	05/16/05	8.58	146.90	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50⁶	--	
MW-13B												
155.49	05/11/04	11.20	144.29	0.00	<50	1.1	2.9	1.5	6.1	<0.50	--	
	08/05/04	13.61	141.88	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	11/02/04	13.92	141.57	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	9.97	145.52	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
	05/16/05	8.78	146.71	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50⁶	--	
MW-14A												
157.14	05/11/04	12.16	144.98	0.00	<50	0.98	1.7	1.3	5.1	10	--	
	08/05/04	14.75	142.39	0.00	<50	<0.50	<0.50	<0.50	<1.0	21	--	
	11/03/04	15.08	142.06	0.00	<50	<0.50	<0.50	<0.50	<1.0	22	--	
	02/17/05	10.93	146.21	0.00	<50	<0.50	<0.50	<0.50	<1.0	32 ⁶	--	
	05/16/05	12.93	144.21	0.00	<50	<0.50	<0.50	<0.50	<1.0	16⁶	--	
MW-14B												
157.05	05/11/04	12.85	144.20	0.00	<50	0.81	0.90	0.55	2.1	<0.50	--	
	08/05/04	15.25	141.80	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	11/03/04	15.62	141.43	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	11.51	145.54	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
MW-14B (Cont.)	05/16/05	10.68	146.37	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
MW-15												
154.92	05/11/04	7.65	147.27	--	170	1.2	<0.50	<0.50	1.1	<0.50	--	
	08/05/04	11.55	143.37	--	<50	0.86	<0.50	<0.50	<1.0	<0.50	--	
	11/02/04	12.00	142.92	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	02/17/05	6.79	148.13	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50 ⁶	--	
	05/16/05	5.72	149.20	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50⁶	--	
Trip Blank												
TB-LB	01/21/98	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/98	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	07/15/98	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	10/15/98	--	--	--	ND	ND	ND	ND	ND	ND	2.79	--
	01/27/99	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	04/22/99	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	07/22/99	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	10/20/99	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	01/05/00	--	--	--	ND	ND	ND	ND	ND	ND	5.68	--
	04/06/00	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	07/21/00	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	10/30/00	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	01/24/01	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	04/25/01	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	07/25/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	10/24/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	01/23/02 ²⁰	--	--	--	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	Product							NITRATES	
				Thickness (ft.)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	AS NO ³ (ug/L)	
TB-LB	01/26/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
(cont)	04/24/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
QA	07/24/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	10/18/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	02/03-04/03	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	04/24/03	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.0	--	
	07/30/03	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.0	--	
	10/16/03	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.0	--	
	01/07/04	--	--	--	NA	NA	NA	NA	NA	NA	--	
	08/05/04	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	
	11/02/04	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	
	02/17/05	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	
	05/16/05	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to January 7, 2004, were compiled from reports prepared by Gettler-Ryan, Inc.

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean sea level

TPHg = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ug/L) = Micrograms per Liter

QA = Quality Assurance/Trip Blank

ND = Not Detected

-- = Not Measured/Not Analyzed

* TOC elevations for MW-9 & MW-10 were performed on August 27, 2003, by Virgil Chavez Land Surveying, using the following City Benchmark: being a brass disk in a monument well on the centerline of Santa Rosa Avenue, 210 feet south of Flower Avenue, (Benchmark Elevation = 147.895 feet, NGVD 29). TOC elevations are relative to msl, per the City of Santa Rosa Benchmark C-175, (Elevation = 157.23 feet, msl). Prior to October 12, 1993, the DTW measurements were taken from top of well cover.

** GWE corrected due to the presence of free product; correction factor: [(TOC - DTW) + (Product Thickness x 0.75)].

1 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.

2 Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.

3 MTBE was ND. Detection limit was 1,000 ppb.

4 MTBE was ND. Detection limit was 500 ppb.

5 Detection limit raised. Refer to analytical reports.

6 MTBE by EPA Method 8260.

7 Nitrate/Nitrite was ND.

8 Skimmer present in well.

9 Laboratory indicates sample was re-run past hold time (May 10, 1999).

10 Laboratory report indicates gasoline and unidentified hydrocarbons <C6.

11 MTBE by EPA Method 8260 analyzed past hold time (August 11, 1999). Sample was originally analyzed within holding time on (August 5, 1999), however the quality control standard showed over-recovery. Sample contained a non-target compound which elutes in the same window as MTBE.

12 Laboratory report indicates gasoline C6-C12.

13 Skimmer not in well. Refer to field sheets.

14 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.

15 Laboratory report indicates weathered gasoline C6-C12.

16 Laboratory report indicates gas range.

17 Laboratory report indicates gas pattern.

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

EXPLANATIONS: (cont)

- ¹⁸ Laboratory report indicates early peaks.
- ¹⁹ Bailed 0.35 gallons of water + product.
- ²⁰ Samples were misplaced at the laboratory; analysis was not performed.
- ²¹ Bailed 0.25 gallons of water + product.
- ²² Bailed 0.50 gallons of water + product.
- ²³ Laboratory report indicates this sample was analyzed beyond the EPA recommended holding time.
- ²⁴ Laboratory report indicates discrete peak @ MTBE.
- ²⁵ Although sample contains compounds in the retention time range associated with gasoline, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on gasoline.
- ²⁶ Weathered gasoline.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	ETHANOL (ug/L)	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)
MW-1	04/15/98	ND	ND	45	ND	ND	ND	--
	07/15/98	ND	ND	13	ND	ND	ND	--
	10/15/98	ND ¹	ND ¹	14.8	ND ¹	ND ¹	ND ¹	--
	01/27/99	ND	ND	8.5	ND	ND	ND	--
	04/22/99	ND	ND	4.9	ND	ND	ND	--
	07/22/99 ³	ND	ND	10	ND	ND	ND	--
	04/24/03	--	<100	70	<2.0	<2.0	<2.0	--
	07/30/03	--	<100	86	<2.0	<2.0	<2.0	<2.0
	10/16/03	--	<100	21	<2.0	<2.0	<2.0	<2.0
	01/08/04	--	<5.0	4.2	<0.50	<0.50	<0.50	<0.50
	05/11/04	--	30	1.2	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	4.7	<0.50	<0.50	<0.50	<0.50
	11/03/04	--	<5.0	5.5	<0.50	<0.50	15	<0.50
	02/17/05	--	<5.0	1.4	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	2.8	<0.50	<0.50	<0.50	<0.50
MW-2	04/15/98	ND	ND	49	ND	ND	ND	--
	07/15/98	ND ¹	ND ¹	420	ND ¹	ND ¹	ND ¹	--
	10/15/98	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	--
	01/27/99	ND ¹	ND ¹	190	ND ¹	ND ¹	ND ¹	--
	04/22/99	ND ¹	ND ¹	270	ND ¹	ND ¹	ND ¹	--
	07/22/99 ³	ND ¹	ND ¹	340	ND ¹	ND ¹	ND ¹	--
	04/24/03	--	<5,000	<100	<100	<100	<100	--
	07/30/03	--	<5,000	220	<100	<100	<100	<100
	10/16/03	--	<4,000	86	<80	<80	<80	<80
	01/08/04	--	<100	330	<10	<10	<10	<10
	05/11/04	--	1,500	280	<25	<25	<25	<25
	08/05/04	--	<5.0	15	<0.50	<0.50	<0.50	<0.50
	11/03/04	--	<50	360	<5.0	<5.0	28	<5.0

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	ETHANOL (ug/L)	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)
MW-2	02/17/05	--	<250	100	<25	<25	<25	<25
(Cont.)	05/16/05	--	<5.0	110	<0.50	<0.50	<0.50	<0.50
MW-3	04/15/98	ND	ND	ND	ND	ND	ND	--
	07/15/98	ND	ND	20	ND	ND	ND	--
	10/15/98	ND ¹	ND ¹	312	ND ¹	ND ¹	ND ¹	--
	01/27/99	ND	ND	19	ND	ND	ND	--
	04/22/99	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	--
	07/22/99 ³	ND ¹	ND ¹	220	ND ¹	ND ¹	ND ¹	--
	04/24/03	--	<500	<10	<10	<10	<10	--
	07/30/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	10/16/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	01/08/04	--	<5.0	29	<0.50	<0.50	<0.50	3.0
	05/11/04	--	110	39	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	76	<0.50	<0.50	2.5	2.8
	11/03/04	--	<5.0	53	<0.50	<0.50	3.8	1.9
	02/17/05	--	<5.0	7.3	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	8.4	<0.50	<0.50	<0.50	1.7
MW-4	04/15/98	ND	ND	36	ND	ND	ND	--
	07/15/98	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	--
	10/15/98	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	--
	01/27/99	ND ¹	ND ¹	57	ND ¹	ND ¹	ND ¹	--
	04/22/99	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	--
	07/22/99 ³	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	--
	04/24/03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	07/30/03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	10/16/03	--	<10,000	<200	<200	<200	<200	<200

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	ETHANOL (ug/L)	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)
MW-4 (Cont.)	01/07/04	--	<100	50	<10	<10	<10	<10
	05/11/04	--	2,600	12	<10	<10	<10	<10
	08/05/04	--	--	--	--	--	--	--
	11/02/04	--	--	--	--	--	--	--
	02/17/05	--	--	--	--	--	--	--
	05/16/05	--	<5.0	13	<0.50	<0.50	<0.50	<0.50
MW-5	04/15/98	ND	ND	ND	ND	ND	ND	--
	10/15/98	ND	ND	ND	ND	ND	ND	--
	04/22/99 ²	ND	ND	ND	ND	ND	ND	--
	04/24/03	--	<100	<2.0	<2.0	<2.0	<2.0	--
	07/30/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	10/16/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	01/07/04	--	<5.0	0.80	<0.50	<0.50	<0.50	<0.50
	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	0.79	<0.50	<0.50	<0.50	<0.50
	11/03/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	0.82	<0.50	<0.50	<0.50	<0.50
MW-6	04/15/98	ND	ND	ND	ND	ND	ND	--
	10/15/98	ND	ND	ND	ND	ND	ND	--
	04/22/99	ND	ND	ND	ND	ND	ND	--
	04/24/03	--	<100	<2.0	<2.0	<2.0	<2.0	--
	07/30/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	10/16/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	01/07/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	0.88

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	ETHANOL (ug/L)	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)
MW-6 (Cont.)	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/03/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-7	04/15/98	ND	ND	ND	ND	ND	ND	--
	10/15/98	ND	ND	ND	ND	ND	ND	--
	04/22/99	ND	ND	ND	ND	ND	ND	--
	04/24/03	--	<100	<2.0	<2.0	<2.0	<2.0	--
	07/30/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	10/16/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	01/07/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/03/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-8	04/15/98	ND ¹	ND ¹	ND ¹	77	ND ¹	ND ¹	--
	07/15/98	ND	ND	ND	ND	ND	ND	--
	10/15/98	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	--
	01/27/99	ND	ND	ND	63	ND	ND	--
	04/22/99	ND ¹	ND ¹	71	ND ¹	ND ¹	ND ¹	--
	07/22/99 ³	ND ¹	ND ¹	ND ¹	85	ND ¹	ND ¹	--
	04/24/03	--	<2,000	<40	<40	<40	<40	--
	07/30/03	--	<500	<10	18	<10	<10	<10
	10/16/03	--	<1,000	<20	23	<20	<20	<20
	01/07/04	--	<25	<2.5	43	<2.5	<2.5	3.6

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	ETHANOL (ug/L)	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)
MW-8 (Cont.)	05/11/04	--	450	<2.5	<2.5	<2.5	<2.5	<2.5
	08/05/04	--	<5.0	<0.50	33	<0.50	<0.50	<0.50
	11/03/04	--	<5.0	<0.50	33	<0.50	<0.50	<0.50
	02/17/05	--	<50	<5.0	24	<5.0	<5.0	<5.0
	05/16/05	--	<100	<10	<10	<10	<10	<10
MW-9	04/15/98	ND	ND	ND	ND	ND	ND	--
	10/15/98	ND	ND	ND	ND	ND	ND	--
	04/22/99	ND	ND	ND	ND	ND	ND	--
	04/24/03	--	<100	<2.0	<2.0	<2.0	<2.0	--
	07/30/03	INACCESSIBLE - PAVED OVER		--	--	--	--	--
	10/16/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	01/07/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/02/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-10	04/15/98	ND	ND	ND	ND	ND	ND	--
	10/15/98	ND	ND	ND	ND	ND	ND	--
	04/22/99	ND	ND	ND	ND	ND	ND	--
	04/24/03	--	<100	<2.0	<2.0	<2.0	<2.0	--
	07/30/03	INACCESSIBLE - PAVED OVER		--	--	--	--	--
	10/16/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	01/07/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	ETHANOL (ug/L)	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)
MW-10 (Cont.)	11/02/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-11	04/15/98	ND	ND	ND	ND	ND	ND	--
	10/15/98	ND	ND	ND	ND	ND	ND	--
	04/22/99	ND	ND	ND	ND	ND	ND	--
	04/24/03	--	<100	<2.0	<2.0	<2.0	<2.0	--
	07/30/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	10/16/03	--	<100	<2.0	<2.0	<2.0	<2.0	<2.0
	01/07/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/03/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-12A	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	13
	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	19
	11/02/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	14
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	21
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	14
MW-12B	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	0.59
	11/02/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	ETHANOL (ug/L)	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)
MW-12B (Cont.)	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-13A	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	0.50
	08/05/04	--	<5.0	<0.50	0.70	<0.50	<0.50	0.61
	11/02/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	0.64	<0.50	<0.50	0.54
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-13B	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	<0.50	0.53	<0.50	<0.50	<0.50
	11/02/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
MW-14A	05/11/04	--	6.9	10	<0.50	<0.50	<0.50	4.2
	08/05/04	--	6.4	21	<0.50	<0.50	<0.50	9.4
	11/03/04	--	<5.0	22	<0.50	<0.50	<0.50	8.2
	02/17/05	--	<5.0	32	<0.50	<0.50	<0.50	14
	05/16/05	--	9.9	16	<0.50	<0.50	<0.50	7.2
MW-14B	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/03/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	ETHANOL (ug/L)	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)
MW-15	05/11/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	08/05/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	11/02/04	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	02/17/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50
	05/16/05	--	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

1,2 DCA = 1,2-Dichloroethane

(ug/L) = Micrograms per Liter

ND = Not Detected

-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

1 Detection limit raised. Refer to analytical reports.

2 Laboratory indicates sample was re-run past hold time (May 10, 1999).

3 MTBE by EPA Method 8260 analyzed past hold time (August 11, 1999). Sample was originally analyzed within holding time on (August 5, 1999), however the quality control standard showed over-recovery. Sample contained a non-target compound which elutes in the same window as MTBE.

Table 3
Groundwater Analytical Results
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	TPH-D (ppb)	1,1-DCA* (ppb)	1,2-DCA* (ppb)	TOG (ppm)
MW-1	04/20/89	1,200	ND	ND	ND
	08/17/89	1,400	--	--	--
	11/15/89	1,200	1.1	4.1	2.0
	03/26/90	1,400	0.61	2.8	4.4
	06/06/90	4,300	ND	ND	35
	09/27/90	210	ND	1.9	ND
	01/16/91	ND	ND	2.5	ND
	04/30/91	110	ND	1.1	ND
	07/25/91	150	ND	3.1	ND
	10/25/91	230	ND	ND	ND
	01/30/92	220	ND	ND	ND
	04/30/92	200	ND	1.2	--
	07/22/92	250 ¹	ND	2.8	--
	10/14/92	250 ¹	ND	3.4	--
	01/13/93	190 ¹	ND	ND	--
	04/12/93	340 ²	ND	1.1	--
	07/10/93	71 ²	ND	ND	--
	10/12/93	1,200 ²	ND	ND	--
	01/10/94	--	ND	ND	--

EXPLANATIONS:

TPHd = Total Petroleum Hydrocarbons as Diesel

1,1-DCA = 1,1-Dichloroethane

1,2-DCA = 1,2-Dichloroethane

TOG = Total Oil and Grease

(ppb) = Parts per billion

(ppm) = Parts per million

ND = Not Detected

-- = Not Analyzed

¹ Laboratory report indicates the hydrocarbons detected did not appear to be diesel.

² Laboratory report indicates the hydrocarbons detected appear to be a diesel and non-diesel mixture.

* All EPA Method 8010 constituents were ND, except as indicated above.

Table 4
Groundwater Analytical Results - Dissolved Metals
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	U (ug/L)	Cr (ug/L)	Pb (ug/L)	Mo (ug/L)	Se (ug/L)	V (ug/L)
MW-1	04/24/03	0.77	0.093	<0.10	<0.040	<0.10	<0.040
	05/11/04	5.7	<1.0	<5.0	8.1	<5.0	3.2
	05/16/05	4.6	<1.0	<5.0	8.6	<5.0	5.7
MW-2	04/24/03	0.29	<0.010	<0.10	<0.040	<0.10	<0.040
	05/11/04	4.9	<1.0	13	<2.0	<5.0	<3.0
	05/16/05	<1.0	<1.0	5.0	3.6	<5.0	<3.0
MW-3	04/24/03	0.21	0.041	<0.10	<0.040	<0.10	<0.040
	05/11/04	14	<1.0	<5.0	3.8	<5.0	<3.0
	05/16/05	3.0	<1.0	<5.0	3.0	<5.0	<3.0
MW-4	04/24/03	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				--
	05/11/04	<1.0	<1.0	17	<2.0	<5.0	<3.0
	05/16/05	<1.0	<1.0	7.9	2.6	<5.0	<3.0
MW-5	04/24/03	13.4	<0.010	<0.10	<0.040	<0.10	<0.040
	05/11/04	18	<1.0	<5.0	<2.0	<5.0	3.4
	05/16/05	24	<1.0	<5.0	2.2	<5.0	4.5
MW-6	04/24/03	0.63	0.015	<0.10	<0.040	<0.10	<0.040
	05/11/04	<1.0	<1.0	<5.0	<2.0	<5.0	4.0
	05/16/05	<1.0	<1.0	<5.0	<2.0	<5.0	5.4
MW-7	04/24/03	0.21	0.026	<0.10	<0.040	<0.10	<0.040
	05/11/04	5.6	<1.0	<5.0	<2.0	<5.0	6.6
	05/16/05	<1.0	<1.0	<5.0	2.2	<5.0	<3.0
MW-8	04/24/03	0.15	0.037	<0.10	<0.040	<0.10	<0.040
	05/11/04	5.6	<1.0	14	<2.0	<5.0	<3.0
	05/16/05	<1.0	<1.0	8.4	<2.0	<5.0	<3.0

EXPLANATIONS:

Cr = Chromium
 Mo = Molybdenum
 Pb = Lead
 Se = Selenium
 V = Vanadium
 U = Uranium
 (ug/L) = Micrograms per Liter
 -- = Not Analyzed

ANALYTICAL METHODS:

Dissolved Metals by EPA 200 Series
 Uranium by EPA Method 908.0

Table 5
Dissolved Oxygen Concentrations
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-1	10/20/99	3.87	--
	01/05/00	3.95	--
	04/06/00	3.48	--
	07/21/00	2.11	--
	10/30/00	3.12	--
	01/24/01	1.91	--
	04/25/01	3.60	--
	07/25/01	3.30	--
	10/24/01	4.50	--
	01/23/02	3.20	--
	04/24/02	3.20	--
	07/24/02	3.60	--
	10/18/02	1.40	--
	02/03-04/03	1.00	0.80
	04/24/03	0.40	--
	07/30/03	1.77	--
	10/16/03	1.89	--
	01/08/04	--	5.54
	05/12/04	7.10	1.10
	08/05/04	3.3	7.0
	11/03/04	3.3	1.7
	02/17/05	5.2	1.0
	05/16/05	2.7	3.7
MW-2	10/20/99 ¹	1.91	--
	01/05/00 ¹	2.18	--
	04/06/00 ¹	4.11	--
	07/21/00 ¹	1.92	--
	10/30/00 ¹	2.29	--
	01/24/01 ¹	2.96	--
	04/25/01 ¹	4.00	--
	07/25/01 ¹	6.40	--
	10/24/01 ¹	4.50	--
	01/23/02 ¹	4.90	--
	04/24/02 ¹	4.00	--
	07/24/02 ¹	3.10	--
	10/18/02	INACCESSIBLE - CAR PARKED OVER WELL	
	02/03-04/03 ¹	1.60	--
	04/24/03	0.80	--
	07/30/03 ¹	0.85	--
	10/16/03 ¹	0.64	--
	01/08/04	--	3.86
	05/12/04	4.00	1.00
	08/05/04	5.1	0.6
	11/03/04	2.6	0.9
	02/18/05	2.5	0.8

Table 5
Dissolved Oxygen Concentrations
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-2 (cont.)	05/16/05	4.2	3.9
MW-3	10/20/99	3.86	--
	01/05/00	3.44	--
	04/06/00	3.19	--
	07/21/00	2.01	--
	10/30/00	2.75	--
	01/24/01	2.03	--
	04/25/01	2.80	--
	07/25/01	2.40	--
	10/24/01	4.00	--
	01/23/02	2.80	--
	04/24/02	3.40	--
	07/24/02	3.30	--
	10/18/02	1.10	--
	02/03-04/03	0.10	--
	04/24/03	0.50	--
	07/30/03	1.12	--
	10/16/03	2.08	--
	01/08/04	--	6.06
	05/12/04	3.7	0.9
	08/05/04	2.4	0.7
	11/03/04	3.5	1.7
	02/17/05	4.3	1.3
	05/16/05	4.7	7.1
MW-4	10/20/99	1.85	--
	01/05/00 ²	1.69	--
	04/06/00	4.22	--
	07/21/00	1.92	--
	10/30/00	1.67	--
	01/24/01	2.71	--
	04/25/01	3.70	--
	07/25/01	5.10	--
	10/24/01	NOT MEASURED DUE TO FREE PRODUCT	
	01/23/02	NOT MEASURED DUE TO FREE PRODUCT	
	04/24/02	NOT MEASURED DUE TO FREE PRODUCT	
	07/24/02	NOT MEASURED DUE TO FREE PRODUCT	
	10/18/02	NOT MEASURED DUE TO FREE PRODUCT	
	02/03-04/03	NOT MEASURED DUE TO FREE PRODUCT	
	04/24/03	NOT MEASURED DUE TO FREE PRODUCT	
	07/30/03	NOT MEASURED DUE TO FREE PRODUCT	
	10/16/03	0.51	--
	01/07/04	--	5.37
	05/12/04	3.90	0.70
	08/05/04	NOT MEASURED DUE TO FREE PRODUCT	

Table 5
Dissolved Oxygen Concentrations
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-4	11/03/04	4.10	0.30
(cont)	02/18/05	NOT MEASURED DUE TO FREE PRODUCT	
	05/16/05	7.90	3.5
MW-5	10/20/99	4.72	--
	01/05/00	4.65	--
	04/06/00	4.28	--
	07/21/00	3.51	--
	10/30/00	4.04	--
	01/24/01	3.29	--
	04/25/01	4.60	--
	07/25/01	2.90	--
	10/24/01	5.50	--
	01/23/02	4.40	--
	04/24/02	3.50	--
	07/24/02	4.10	--
	10/18/02	INACCESSIBLE - CAR PARKED OVER WELL	
	02/03-04/03	--	--
	04/24/03	0.30	--
	07/30/03	3.52	--
	10/16/03	3.67	--
	01/08/04	--	5.29
	05/12/04	3.2	0.7
	08/05/04	4.7	0.7
	11/03/04	4.5	0.4
	02/17/05	5.5	1.1
	05/16/05	4.4	4.3
MW-6	10/20/99	4.77	--
	01/05/00	5.02	--
	04/06/00	3.92	--
	07/21/00	2.03	--
	10/30/00	3.25	--
	01/24/01	2.00	--
	04/25/01	4.20	--
	07/25/01	3.20	--
	10/24/01	5.70	--
	01/23/02	4.90	--
	04/24/02	3.80	--
	07/24/02	3.80	--
	10/18/02	0.80	--
	02/03-04/03	--	--
	04/24/03	0.70	--
	07/30/03	2.95	--
	10/16/03	4.57	--
	01/07/04	--	5.05

Table 5
Dissolved Oxygen Concentrations
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-6	05/11/04	6.90	6.70
	08/05/04	2.0	6.8
	11/03/04	8.6	8.6
	02/17/05	2.7	1.0
	05/16/05	8.1	4.60
MW-7	10/20/99	5.10	--
	01/05/00	4.98	--
	04/06/00	3.77	--
	07/21/00	2.01	--
	10/30/00	3.67	--
	01/24/01	1.71	--
	04/25/01	3.90	--
	07/25/01	3.10	--
	10/24/01	5.40	--
	01/23/02	5.10	--
	04/24/02	4.20	--
	07/24/02	3.60	--
	10/18/02	1.10	--
	02/03-04/03	--	--
	04/24/03	0.40	--
	07/30/03	3.87	--
	10/16/03	3.55	--
	01/07/04	--	4.79
	05/12/04	2.2	8.1
	08/05/04	4.1	5.6
	11/03/04	8.2	9.8
	02/17/05	4.0	1.5
	05/16/05	5.67	4.15
MW-8	10/20/99	1.67	--
	01/05/00 ²	2.06	--
	04/06/00	4.33	--
	07/21/00	1.81	--
	10/30/00	2.31	--
	01/24/01	3.99	--
	04/25/01	4.40	--
	07/25/01	4.80	--
	10/24/01	4.30	--
	01/23/02	4.10	--
	04/24/02	3.80	--
	07/24/02	3.20	--
	10/18/02	1.20	--
	02/03-04/03	0.20	--
	04/24/03	0.50	--
	07/30/03	1.36	--

Table 5
Dissolved Oxygen Concentrations
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-8	10/16/03	0.93	--
(cont)	01/07/04	--	5.74
	05/12/04	6.0	3.0
	08/05/04	3.3	0.5
	11/03/04	3.9	0.9
	02/18/05	2.0	0.8
	05/16/05	5.2	4.2
MW-9	10/20/99	4.58	--
	01/05/00	4.73	--
	04/06/00	5.76	--
	07/21/00	4.44	--
	10/30/00	5.08	--
	01/24/01	4.04	--
	04/25/01	5.80	--
	07/25/01	4.70	--
	10/24/01	6.50	--
	01/23/02	5.70	--
	04/24/02	4.10	--
	07/24/02	3.40	--
	10/18/02	0.20	--
	02/03-04/03	--	--
	04/24/03	0.20	--
	07/30/03	INACCESSIBLE - PAVED OVER	
	10/16/03	4.16	--
	01/07/04	--	8.60
	05/11/04	6.5	3.3
	08/05/04	5.1	2.6
	11/03/04	5.4	1.7
	02/17/05	7.0	3.7
	05/16/05	9.3	7.0
MW-10	10/20/99	4.31	--
	01/05/00	4.75	--
	04/06/00	5.89	--
	07/21/00	4.59	--
	10/30/00	4.78	--
	01/24/01	4.18	--
	04/25/01	6.10	--
	07/25/01	5.10	--
	10/24/01	6.00	--
	01/23/02	5.50	--
	04/24/02	4.90	--
	07/24/02	3.20	--
	10/18/02	0.20	--
	02/03-04/03	--	--

Table 5
Dissolved Oxygen Concentrations
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-10	04/24/03	0.10	--
(cont)	07/30/03	INACCESSIBLE - PAVED OVER	--
	10/16/03	5.08	--
	01/07/04	--	7.62
	05/11/04	8.2	4.1
	08/05/04	5.0	2.9
	11/03/04	5.7	2.5
	02/17/05	6.0	4.2
	05/16/05	8.29	6.28
MW-11	10/20/99	5.19	--
	01/05/00	4.77	--
	04/06/00	3.41	--
	07/21/00	2.18	--
	10/30/00	3.58	--
	01/24/01	1.94	--
	04/25/01	3.90	--
	07/25/01	2.90	--
	10/24/01	5.80	--
	01/23/02	4.80	--
	04/24/02	3.60	--
	07/24/02	4.80	--
	10/18/02	1.10	--
	02/03-04/03	--	--
	04/24/03	0.30	--
	07/30/03	3.51	--
	10/16/03	3.71	--
	01/07/04	--	6.50
	05/12/04	2.8	0.6
	08/05/04	1.2	7.4
	11/03/04	8.0	8.4
	02/17/05	3.7	1.3
	05/16/05	5.1	4.4
MW-12A	08/05/04	4.2	0.6
	11/03/04	7.9	0.8
	02/17/05	9.5	0.7
	05/16/05	8.57	4.14
MW-12B	08/05/04	3.6	0.6
	11/03/04	3.9	3.5
	02/17/05	4.6	0.9
	05/16/05	7.42	4.18
MW-13A	08/05/04	2.0	0.6
	11/03/04	4.2	0.4

Table 5
Dissolved Oxygen Concentrations
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-13A	02/17/05	9.3	0.9
(cont.)	05/16/05	6.0	2.0
MW-13B	08/05/04	5.2	9.5
	11/03/04	3.6	1.1
	02/17/05	5.0	0.7
	05/16/05	4.6	5.5
MW-14A	08/05/04	3.2	15.4
	11/03/04	7.2	9.1
	02/17/05	5.9	0.8
	05/16/05	5.2	9.3
MW-14B	08/05/04	4.4	1.3
	11/03/04	3.7	1.0
	02/17/05	5.5	1.1
	05/16/05	4.6	4.8
MW-15	08/05/04	1.9	11.9
	11/03/04	3.4	5.8
	02/17/05	4.8	1.0
	05/16/05	5.85	4.16

Table 5
Dissolved Oxygen Concentrations
Former Unocal Service Station No. 2672
1075 Santa Rosa Avenue
Santa Rosa, California

EXPLANATIONS:

(mg/L) = Milligrams per liter

-- = Not Measured

¹ Skimmer present in well.

² Skimmer not in well. Refer to field sheets.

ATTACHMENT A

FIELD METHODS AND PROCEDURES

FIELD METHODS AND PROCEDURES

The following section describes field procedures that are to be used by ENSR personnel in the performance of the tasks involved with this project.

1. HEALTH AND SAFETY PLAN

Fieldwork performed by ENSR and ENSR's subcontractors at the site will be conducted according to guidelines established in a Health and Safety Plan (HASP). The HASP is a document that describes the hazards that may be encountered in the field and specifies protective equipment, work procedures and emergency information. A copy of the HASP will be at the site and available for reference by appropriate parties during work at the site.

2. GROUNDWATER DEPTH ASSESSMENT

A water/product interface probe is used to assess the liquid-phase hydrocarbons (LPH) thickness, if present, and a water level indicator is used to measure the groundwater depth in monitoring wells that do not contain LPH. Depth to groundwater or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for LPH sheen.

3. SUBJECTIVE ANALYSIS OF GROUNDWATER

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

4. MONITORING WELL SAMPLING

Monitoring wells are purged using a pump or bailer until pH, temperature and conductivity of the purge water has stabilized and a minimum of three well volumes of water has been removed. The purge water is placed in 55-gallon drums and temporarily stored on-site pending evaluation of disposal options. If three well volumes cannot be removed in one-half an hour's time, the well is allowed to recharge to 80 percent of original level. After recharging, a groundwater sample is then removed from each of the wells using a pump or disposable bailer. The water sample is collected, labeled and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of according to the accepted regulatory method pertaining to the site.

5. QUALITY ASSURANCE PLAN

This section describes the field and analytical procedures to be followed by ENSR throughout the investigation.

5.1 General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample will be collected in the appropriate container, preserved correctly for the intended analysis and stored, prior to analysis, for no longer than the maximum allowable holding time.

Details on the procedures for collection and handling of soil samples from this project can be found in previous sections.

5.2 Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures ensure sample integrity and document sample possession from the time of collection to its ultimate disposal. Each sample container submitted for analysis will have a label affixed to identify the job number, sampler, date and time of sample collection and a sample number unique to that sample. During soil sampling, this information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel and any other pertinent field observations will be recorded on the borehole log or in the field records.

ATTACHMENT B
GROUNDWATER SAMPLING DATA SHEETS



GROUNDWATER/LIQUID LEVEL DATA (Page 1 of 2)
(measurements in feet below TOC)

Site: 1075 Santa Rosa Ave., Santa Rosa

ENSR No. 06940-268-100

Unocal No. 2672

Date:

Recorded by:

5/16/05
 J. D. Swales

SAMPLING ORDER / WELL NO.	TIME OPENED	CGI	PID	O2	TIME MEASURED	DEPTH TO GR. WATER	MEASURED TOTAL DEPTH	DEPTH TO PRODUCT	PRODUCT THICKNESS	COMMENTS (TOC/TOB) (PRODUCT SKIMMER IN WELL)
MW-9	10:04	—	—	—	10:04	7.46	24.24	—	—	Bailed water
MW-10	09:48	N/A	N/A	N/A	10:02	7.09	24.25	—	—	Bailed water
MW-12A	12:00	/	/	/	12:01	9.01	54.80	—	—	Bailed water
MW-12B	12:00	/	/	/	12:03	10.23	84.79	—	—	Bailed water
MW-13A	12:07	—	—	—	12:09	9.58	54.71	—	—	—
MW-13B	12:07	—	—	—	12:11	8.76	84.44	—	—	—
MW-15	12:13	—	—	—	12:15	5.72	19.94	—	—	Bailed water
MW-14A	12:17	—	—	—	12:18	12.93	54.99	—	—	—
MW-14B	12:17	—	—	—	12:19	10.68	84.98	—	—	—
MW-7	12:20	—	—	—	12:22	7.57	23.30	—	—	Bailed water
MW-6	12:23	—	—	—	12:24	6.80	22.90	—	—	Bailed water
MW-11	12:26	—	—	—	12:28	5.43	23.05	—	—	Bailed water
MW-5	12:29	—	—	—	12:30	7.77	29.80	—	—	—
MW-3	12:31	—	—	—	12:32	6.90	33.45	—	—	—
MW-1	12:33	—	—	—	12:35	7.42	34.10	—	—	—
MW-8	12:34	—	—	—	12:37	7.44	26.70	—	—	—
MW-2	12:38	✓	✓	✓	12:39	7.51	34.15	✓	✓	DO NOT SAMPLE IF FP PRESENT
MW-4	—	✓	✓	✓	—	—	29.50	✓	✓	—

Notes:

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well/Piezo ID: MW-1

Well Piezometer

Well Purgings:

Date Purged: 5-16-05 (DO)
 Purge Method: Disposable bailer/other BS-12C pump

Casing Material: PVC

Well Diameter: 2.00 in.

Total Depth: 34.10 ft from TOC

Depth to Water: 7.42 ft from TOC

Water Column: 26.68 ft.

Water Column Volume: 9.2 gal (WC X VF)

Field Tech(s): Troy Lukasewy

Weather Conditions: Sunny/windy/partly cloudy

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 12.76

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm) ^{Stair}	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
17:55	0 0.5	2.7	-31	19.9	.18	6.7	691	clear	odorless	
17:57	1 5.0	5.2	-58	20.1	.17	6.7	796			
17:59	2 10.0	4.6	-68	20.1	.19	6.6	767			
18:01	3 15.0	3.7	-71	20.1	.20	6.8	.5	gray/cloudy	1.0	..
	4									

Sample Collection:

Date Sampled: 5-16-05

Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-1	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	18:10
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	18:10
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	18:10
MW-1				*NOTE* Sample for Dissolved Metals Annually (April Only) 1st mt Qtr.	

Comments _____

Signature TJ Lukasewy Date 5-16-05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well/Piezo ID: MW-2

Well Piezometer

Well Purging:

Date Purged: 5-16-05

PC

Purge Method: Disposable bailer/other

ES-120 pump

Field Tech(s):

Troy Weylman

Weather Conditions:

Scary windy/partly cloudy

Casing Material: PVC

Well Diameter: 2.00 in.

Total Depth: 34.15 ft from TOC

Depth to Water:

7.51

ft from TOC

Water Column:

26.64

ft.

Water Column Volume:

4.2

gal (WC X VF)

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: Total Depth - (Water Column X .8) = 12.83

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
16:50	0	9.2	-96	19.6	20	6.4	724	clay	none	
16:52	1	9.3	-92	19.6	20	6.4	75	gray/cloudy	"	
16:54	2	10.0	-85	19.6	21	6.1	760	clear	"	
16:56	3	15.0	-84	19.6	21	6.4	719	clear	"	
	4									

Sample Collection:

Date Sampled: 5-16-05

Sampling Method: Disposable Bailer/Other

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-2	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	17:04
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	17:04
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	17:04
MW-1				"NOTE" Sample for Dissolved Metals Annually (April Only) 2nd Qtr	

Comments _____

Signature



Date

5-16-05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging:

Date Purged: 5-16-05Purge Method: Disposable bailer/other (DC) PVC purges

Casing Material:

Well Diameter:

2.00 in.

Total Depth:

33.45 ft from TOC

Depth to Water:

6.90

ft from TOC

Water Column:

76.55

ft.

Water Column Volume:

4.2

gal (WC X VF)

Well/Piezo ID: MW-3

Well Piezometer

Field Tech(s):

Troy Wenham

Weather Conditions:

Sunny/partly cloudy/windy

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 12.21

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
15:58	0 0.5	4.7	-100	20.4	15	6.5	505	Clear	none	
16:00	1 5.0	4.3	-91	20.2	16	6.4	335	1"	Oily/grey	
16:02	2 10.0	5.2	-83	20.1	22	6.4	25	grey/green	..	
16:04	3 15.0	7.1	-79	20.2	22	6.5	674	Clear	..	
	4									

Sample Collection:

Date Sampled: 5-16-05Sampling Method: Disposable Bailer/Other Bail. bld

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-3	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	16:12
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	16:12
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	16:12
MW-3				*NOTE* Sample for Dissolved Metals Annually (April Only) 2nd Qtr	

Comments _____

Signature Date 5-16-05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging:

Date Purged: 5-16-05 (OC)Purge Method: Disposable bailer/other 120 pump

Casing Material:

PVC

Well Diameter:

2.00 in.

Total Depth:

29.50 ft from TOC

Depth to Water:

9.0

ft from TOC

Water Column:

19.9

ft.

Water Column Volume:

3.1

gal (WC X VF)

Well/Piezo ID: MW-4

Well Piezometer

Field Tech(s):

Troy Weford

Weather Conditions:

Sunny/windy/partly cloudy/cool

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 13.58

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm) <i>skipped</i>	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
18:36	0	0.5	7.9	-83	19.2	19	6.7	558	clear	oil present
18:38	1	4.0	4.6	-80	19.3	15	6.5	271	"	"
18:40	2	8.0	4.1	-80	19.3	18	6.4	830	"	"
18:42	3	12.0	3.5	-78	19.5	19	6.6	194	"	"
	4									

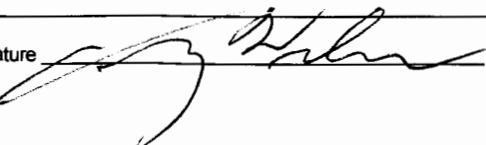
Sample Collection:

Date Sampled: 5-16-05

Sampling Method: Disposable Bailier/Other

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-4	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	18:55
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals (Chromium, Vanadium, Selenium, Lead, Molybdenum)	18:55
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	18:55
MW-4				"NOTE* Sample for Dissolved Metals Annually (April Only)" 2nd Qtr	

Comments DO NOT SAMPLE WELL IF FREE PRODUCT IS PRESENTSignature Date 5-16-05



GROUNDWATER/LIQUID LEVEL DATA (Page 1 of 2)
(measurements in feet below TOC)

Site: 1075 Santa Rosa Ave., Santa Rosa
 ENSR No. 06940-268-100
 Unocal No. 2672

Date: 5/16/05
 Recorded by: TD Jowers

SAMPLING ORDER / WELL NO.	TIME OPENED	CGI	PID	O2	TIME MEASURED	DEPTH TO GR. WATER	MEASURED TOTAL DEPTH	DEPTH TO PRODUCT	PRODUCT THICKNESS	COMMENTS (TOC/TOB) (PRODUCT SKIMMER IN WELL)
MW-9	10:04	—			10:04	7.40	24.24	—		
MW-10	09:48	N/A	N/A	N/A	10:02	7.09	24.25	—		Bailed water
MW-12A	12:00	/	/	/	12:01	9.01	54.80	—		Bailed water
MW-12B	12:00	/	/	/	12:03	10.23	84.79	—		Bailed water
MW-13A	12:07				12:09	9.58	54.71	—		
MW-13B	12:07				12:11	8.76	84.44	—		
MW-15	12:13				12:15	5.72	19.94	—		Bailed water
MW-14A	12:17				12:18	12.93	54.99	—		
MW-14B	12:17				12:19	10.68	84.98	—		
MW-7	12:20				12:22	7.57	23.30	—		Bailed water
MW-6	12:23				12:24	6.80	22.90	—		Bailed water
MW-11	12:26				12:28	5.43	23.05	—		Bailed water
MW-5	12:29				12:30	7.77	29.80	—		
MW-3	12:31				12:32	6.90	33.45	—		
MW-1	12:33				12:35	7.42	34.10	—		
MW-8	12:34				12:37	7.44	26.70	—		
MW-2	12:38	✓	✓	✓	12:39	7.51	34.15	✓		
MW-4						29.50	✓	✓		DO NOT SAMPLE IF FP PRESENT

Notes:

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well/Piezo ID: MW-1

Well Piezometer

Well Purging:

Date Purged: 5-16-05

Purge Method: Disposable bailer/other BS-12C pump

Casing Material: PVC

Well Diameter: 2.00 in.

Total Depth: 34.10 ft from TOC

Depth to Water: 7.42 ft from TOC

Water Column: 26.68 ft.

Water Column Volume: 9.2 gal (WC X VF)

Field Tech(s): Troy Lukowicz

Weather Conditions: Sunny/windy/partly cloudy

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 12.76

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
17:55	0.5	2.7	-31	19.9	18	6.7	691	clear	odorless	
17:57	5.0	5.2	-58	20.1	17	6.7	796			
17:59	10.0	4.6	-68	20.1	19	6.6	767			
18:01	15.0	3.7	-71	20.1	20	6.8	.5	gray/cloudy	1.	..
	4									

Sample Collection:

Date Sampled: 5-16-05

Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-1	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	18:10
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	18:10
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	18:10
MW-1				*NOTE* Sample for Dissolved Metals Annually (April Only) 1st mt Qtr.	

Comments _____

Signature TJ Lukowicz

Date 5/16/05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well/Piezo ID: MW-2

Well Piezometer

Well Purging:

Date Purged: 5-16-05

PC

Purge Method: Disposable bailer/other

ES-120 pump

Field Tech(s):

Troy Weylman

Weather Conditions:

Scary windy/partly cloudy

Casing Material: PVC

Well Diameter: 2.00 in.

Total Depth: 34.15 ft from TOC

Depth to Water:

7.51

ft from TOC

Water Column:

26.64

ft.

Water Column Volume:

4.2

gal (WC X VF)

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: Total Depth - (Water Column X .8) = 12.83

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
16:50	0	9.2	-96	19.6	20	6.4	724	clay	none	
16:52	1	9.3	-92	19.6	20	6.4	75	gray/cloudy	"	
16:54	2	10.0	-85	19.6	21	6.1	760	clear	"	
16:56	3	15.0	-84	19.6	21	6.4	719	clear	"	
	4									

Sample Collection:

Date Sampled: 5-16-05

Sampling Method: Disposable Bailer/Other

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-2	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	17:04
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	17:04
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	17:04
MW-1				"NOTE" Sample for Dissolved Metals Annually (April Only) 2nd Qtr	

Comments _____

Signature



Date

5-16-05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well/Piezo ID: MW-3

Well Piezometer

Well Purging: 5-16-05 (DC)
 Date Purged: 5-16-05
 Purge Method: Disposable bailer/other DC purges

Field Tech(s): Troy WenhamWeather Conditions: Sunny/partly cloudy/windy

Casing Material:

Well Diameter: 2.00 in.

Total Depth: 33.45 ft from TOC

Depth to Water: 6.90 ft from TOC

Water Column:

76.55 ft.Water Column Volume: 4.2 gal (WC X VF)

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 12.21

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
15:58	0	0.5	-100	20.4	15	6.5	500	Clear	none	
16:00	1	5.8	-91	20.2	16	6.4	335	1"	Oily/grey	
16:02	2	10.0	-83	20.1	22	6.4	75	grey/grey	..	
16:04	3	15.0	-79	20.2	22	6.5	674	Clear	..	
	4									

Sample Collection:

Date Sampled: 5-16-05Sampling Method: Disposable Bailer/Other Bail. bld

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-3	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	16:12
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	16:12
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	16:12
MW-3				*NOTE* Sample for Dissolved Metals Annually (April Only) 2nd Qtr	

Comments _____

Signature Date 5-16-05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging:

Date Purged: 5-16-05 (OC)Purge Method: Disposable bailer/other 120 pump

Casing Material:

PVC

Well Diameter:

2.00 in.

Total Depth:

29.50 ft from TOC

Depth to Water:

9.0

ft from TOC

Water Column:

19.9

ft.

Water Column Volume:

3.1

gal (WC X VF)

Well/Piezo ID: MW-4

Well Piezometer

Field Tech(s):

Troy Weford

Weather Conditions:

Sunny/windy/partly cloudy/cool

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 13.58

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity ($\mu\text{S}/\text{cm}^2$)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
18:36	0	0.5	7.9	19.2	19	6.7	558	clear	oil present	
18:38	1	4.0	4.6	19.3	15	6.5	271	"	"	
18:40	2	8.0	4.1	19.3	18	6.4	830	"	"	
18:42	3	12.0	3.5	19.5	19	6.6	194	"	"	
	4									

Sample Collection:

Date Sampled: 5-16-05

Sampling Method: Disposable Bailier/Other

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-4	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	18:55
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals (Chromium, Vanadium, Selenium, Lead, Molybdenum)	18:55
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	18:55
MW-4				"NOTE* Sample for Dissolved Metals Annually (April Only)" 2nd Qtr	

Comments DO NOT SAMPLE WELL IF FREE PRODUCT IS PRESENTSignature Date 5-16-05

ENSR**GROUNDWATER SAMPLING DATA SHEET**

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5-16-05 DC
Date Purged: 5-16-05 ES-120 pump
Purge Method: Disposable bailer/other Pur

Casing Material: PVC
Well Diameter: 2.00 in.
Total Depth: 29.80 ft from TOC
Depth to Water: ft from TOC
Water Column: 22.03 ft.
Water Column Volume: 3.5 gal (WC X VF)

Well/Piezo ID: **MW-5**Well Piezometer Field Tech(s): Troy NeffmanWeather Conditions: Sunny w/ wind / partly cloudy

Volume	3/4" = .02	1" = .04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 12.17

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
17:21	0	0.5	4.4	-49	19.8	25	6.5	149	clear	spac
17:23	1	4.0	6.1	-22	19.5	24	6.7	103	"	odor present
17:25	2	6.0	4.4	7	19.4	24	6.6	117	"	" ..
17:27	3	12.0	4.3	33	19.4	25	6.7	84	"	" ..
	4									

Sample Collection:

Date Sampled: 5-16-05 Bar: 12
 Sampling Method: Disposable Bailer/Other

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-5	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	17.35
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals (Chromium, Vanadium, Selenium, Lead, Molybdenum)	17.25
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	17.35
MW-5				*NOTE* Sample for Dissolved Metals Annually (April Only) 2nd Qtr	

Comments _____

Signature Date 5-16-05

ENSR

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5/16/05
 Date Purged: 5/16/05
 Purge Method: Disposable bailer/other Whaler

Casing Material: PVC
 Well Diameter: 2.00 in.
 Total Depth: 6.80 ft from TOC
 Depth to Water: 1.1 ft from TOC
 Water Column: 1.1 ft
 Water Column Volume: 2.5 gal (WC X VF)

Well/Piezo ID: **MW-6**Well Piezometer Field Tech(s): Heather TawlerWeather Conditions: Sunny, warm

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 10.02

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
16:11	0	0.9	8.13	115.0	0.167	7.03	198.0	clear	odor	
16:14	1	3.0	5.01	117.0	0.164	6.30	80.9	clear	odor	
16:17	2	4.0	4.66	116.0	0.160	6.32	51.8	clear	odor	
16:20	3	9.0	4.60	123.0	0.165	6.31	37.5	clear	odor	
	4									

Sample Collection: 5/16/05
 Date Sampled: 5/16/05
 Sampling Method: Disposable Bailer/Other Bailed
 Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-6	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	16:30
MW-6	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	16:30
MW-6	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	16:30
				NOTE Sample for Dissolved Metals Annually (April Only) 2nd Quarter Only	

Comments MW-6 Locked in parking lot, need to contact 2nd floor occupant for accessSignature Heather Tawler Date 5/16/05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5/16/05
 Date Purged: 5/16/05
 Purge Method: Disposable bailer/other Whaler

Casing Material:

PVC

Well Diameter:

2.00 in.

Total Depth:

23.30 ft from TOC

Depth to Water:

7.57 ft from TOC

Water Column:

15.73 ft.

Water Column Volume:

2.5 gal (WC X VF)

Well/Piezo ID: MW-7

Well Piezometer

Field Tech(s):

Weather Conditions:

Heather TauscherMuggy / cloudy

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 10.71

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm) S/M	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
15:29	0 0.5	5.67	-34	20.12	0.177	6.51	125.0	clear	no odor	
15:32	1 3.0	4.52	-63	20.06	0.207	6.52	52.1	clear	no color	
15:35	2 6.0	4.24	-13	19.91	0.197	6.47	75.5	clear	no odor	
15:38	3 9.0	4.15	-26	19.95	0.192	6.45	112.0	clear	no color	
	4									

Sample Collection:

Date Sampled: 5/16/05

Sampling Method: Disposable Bailer/Other

Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-X	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	15:47
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	15:47
APRIL ONLY	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	15:47
2nd Quarter only					*NOTE* Sample for Dissolved Metals Annually (April Only) 2nd Quarter only

Comments

Signature

Heather TauscherDate 5/16/05

ENSR**GROUNDWATER SAMPLING DATA SHEET**

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5-16-05 (PC)
 Date Purged: 5-16-05
 Purge Method: Disposable bailer/other ES-120 pump
 Casing Material: PVC
 Well Diameter: 2.00 in.
 Total Depth: 26.70 ft from TOC
 Depth to Water: 7.44 ft from TOC
 Water Column: 19.76 ft.
 Water Column Volume: 3.0 gal (WC X VF)

Well/Piezo ID: **MW-8**Well Piezometer Field Tech(s): Troy WinklerWeather Conditions: Scary/windy, partly cloudy

Volume	3/4" = .02	1" = .04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 11.29

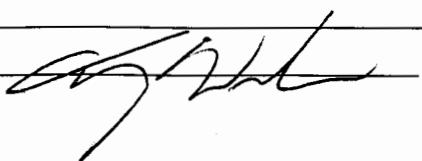
Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (μS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
16:25	0	2.7	-104	20.2	.21	6.4	37	clear	water	
16:27	1	4.7	-111	20.0	.22	6.5	95	"	odors present	
16:29	2	4.7	-109	19.9	.21	6.6	268	"	11.11	
16:31	3	4.2	-104	19.9	.79	6.5	162	"	cl.	"
	4									

Sample Collection:Date Sampled: 5-16-05Sampling Method: Disposable Bailer/Other Bailer

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
14W-8	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	16:39
APRIL ONLY TW	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metals(Chromium, Vanadium, Selenium, Lead, Molybdenum)	16:39
APRIL ONLY TW	1	1-Liter Poly	Ice	(APRIL ONLY) Dissolved metal (Uranium)	16:39
MW-8				*NOTE* Sample for Dissolved Metals Annually (April Only) 2nd Qtr	

Comments _____

Signature Date 5-16-05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well/Piezo ID: MW-9

Well Piezometer

Well Purging:

Date Purged: 5-16-05 DC
 Purge Method: Disposable bailer/other ES-120 pump
PVC

Field Tech(s): Troy LickteigWeather Conditions: Sunny/partly cloudy/windy

Casing Material:

Well Diameter: 2.00 in.

Total Depth: 24.24 ft from TOC

Depth to Water: 7.09 ft from TOC

Water Column:

17.15 ft.Water Column Volume: 2.7 gal (WC X VF)

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 10.52

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
10:26	0	9.3	260	18.8	544	5.3	105	clear	none	
10:28	1	4.0	257	18.6	541	6.1	100	-	-	
10:30	2	6.0	250	18.4	541	6.2	50	-	-	
10:32	3	12.0	259	18.3	541	6.2	50	-	-	
	4									

Sample Collection:

Date Sampled: 5-16-05Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-9	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	10:40

Comments _ DO NOT SAMPLE FOR METALS-EVER

Replaced well cap & installed new well cap/lockSignature Troy Lickteig Date 5-16-05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5/16/05Date Purged: 5/16/05Purge Method: Disposable bailer/other grundfosCasing Material: PVC

Well Diameter: 2.00 in.

Total Depth: 24.25 ft from TOC

Depth to Water: 7.46 ft from TOC

Water Column:

16.79 ft.Water Column Volume: 2.68 gal (WC X VF)

Well/Piezo ID: MW-10

Well Piezometer Field Tech(s): Heather TauscherWeather Conditions: Sunny, cool

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 10.81

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity ($\mu\text{S}/\text{cm}^{-1}$)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
10:17	0	0.5	211.0	18.34	0.138	5.51	300.00	light clear	no odor	
10:19	1	3.18	212.0	18.33	0.139	6.14	54.7	clear	no odor	
10:21	2	6.18	212.0	18.35	0.137	6.31	24.7	clear	no odor	
10:23	3	9.18	211.0	18.35	0.139	6.40	7.0	clear	no odor	
	4									

Sample Collection:

Date Sampled: 5/16/05Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-10	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	

Comments DO NOT SAMPLE FOR METALS--EVER

Replaced well cap & installed ^{Installed} well lock. Also, filled well box with sand, Ducto missing well box lid & rim, Traffic ventilation

Signature Heather Tauscher Date 5/16/05

ENSR

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well/Piezo ID: MW-11

Well Piezometer

Well Purging:

Date Purged: 5-16-05

Purge Method: Disposable bailer/other PC 120 pumpCasing Material: PVC

Well Diameter: 2.00 in.

Total Depth: 23.05 ft from TOC

Depth to Water: 5.43 ft from TOC

Water Column:

17.62 ft.

Water Column Volume: 2.8 gal (WC X VF)

Field Tech(s): Troy WilkinsonWeather Conditions: Sunny/Partly Cloudy/Wind

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 8.95

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity $\mu\text{S/cm}^3/\text{m}$	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
15:30	0	5.1	-57	19.8	23	6.4	32	clear	no rc	
15:32	1	4.0	-67	20.1	21	6.3	3.0	"	"	
15:34	2	6.0	-59	20.2	19	6.3	2	"	"	
15:36	3	12.0	-57	20.2	18	6.4	0	"	"	
	4									

Sample Collection:

Date Sampled: 5-16-05Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-11	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	15:49

Comments DO NOT SAMPLE FOR METALS—EVER

Signature Troy Wilkinson

Date 5-16-05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5/16/05 Grundfos
 Date Purged: 5/16/05
 Purge Method: Disposable bailer/other Water

Casing Material:

PVC

2.00 in.

Well Diameter:

54.80 ft from TOC

Total Depth:

9.01

ft from TOC

Depth to Water:

45.79

ft.

Water Column:

7.3

gal (WC X VF)

Well/Piezo ID: **MW-12A**Well Piezometer Field Tech(s): Hather TauscherWeather Conditions: cloudy, muggy

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 18.16

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity μS/cm	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
13:18	0	0.5	857	20.34	0.211	6.64	5.0	cloudy	no odor	
13:22	1	7.8	4.91	20.15	0.214	6.44	194.0	partly cloudy	no odor	
13:26	2	14.8	4.46	20.13	0.212	6.46	19.5	clear	no odor	
13:30	3	21.8	4.14	20.14	0.210	6.47	9.2	clear	no odor	
	4									

Sample Collection: 5/16/05Date Sampled: 5/16/05Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-12A	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	13:40

Comments DO NOT SAMPLE FOR METALS-EVERSignature Hather TauscherDate 5/16/05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging:

5/16/05

Date Purged:

Purge Method: Disposable bailer/other Grundfos

Casing Material:

pvc

Well Diameter:

2.00 in.

Total Depth:

84.79 ft from TOC

Depth to Water:

10.23

ft from TOC

Water Column:

74.56

ft.

Water Column Volume:

11.9

gal (WC X VF)

Well/Piezo ID: MW-12B

Well Piezometer

Field Tech(s):

Heather Tauscher

Weather Conditions: misty, cloudy

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 25.14

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
13:59	0.5	7.42	205.0	19.71	0.160	8.61	968.0	cloudy	no odor	
14:05	12.90	4.55	179.0	20.00	0.159	7.14	299.0	partly cloudy	no odor	
14:10	24.40	4.30	162.0	20.00	0.157	7.01	94.4	partly clear	no odor	
14:15	36.40	4.18	149.0	20.00	0.155	6.93	135.0	particular	no odor	
	4									

Sample Collection:

Date Sampled: 5/16/05

Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-12B	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	14:31

Comments DO NOT SAMPLE FOR METALS--EVER

Signature

Heather Tauscher

Date 5/16/05

ENSR.

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well/Piezo ID: MW-13A

Well Piezometer

Well Purging:

Date Purged: 5-16-05

Purge Method: Disposable bailer/other ES-120 pump

Casing Material:

PVC

Well Diameter:

2.00 in.

Total Depth:

54.71 ft from TOC

Depth to Water:

8.58 ft from TOC

Water Column:

46.13 ft.

Water Column Volume:

7.1 gal (WC X VF)

Field Tech(s): Troy Warkam

Weather Conditions: Sunny/partly cloudy

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: Total Depth - (Water Column X .8) = 17.81

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
13:14	0 0.5	6.0	249	21.6	0.14	7.0	-5	Brown/Cloudy	none	
13:23	1 8.0	2.7	264	20.8	0.14	6.6	-5	" "	"	
17:27	2 16.0	5.3	266	20.1	0.14	6.7	-5	" "	"	
13:31	3 24.0	2.0	269	19.7	0.14	6.5	-5			
	4									

Sample Collection:

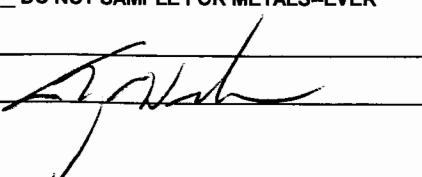
Date Sampled: 5-16-05

Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-13A	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	13:39

Comments DO NOT SAMPLE FOR METALS--EVER

Signature 

Date 5-16-05

ENSR

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5-16-05 DC
 Date Purged: 5-16-05
 Purge Method: Disposable bailer/other PVC

Casing Material:

Well Diameter: 2.00 in.

Total Depth: 84.44 ft from TOC

Depth to Water: 75.64 ft from TOC

Water Column: 12.1 ft.

Water Column Volume: 12.1 gal (WC X VF)

Well/Piezo ID: MW-13B

Well Piezometer Field Tech(s): Troy WenstromWeather Conditions: Sunny/windy/partly cloudy

Volume	3/4" = .02	1" = .04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 23.91

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
13.54	0.5	4.4	262	19.3	.14	7.0	-5	Brown/Cloudy	None	
14.00	13.0	4.4	263	19.5	.14	6.8	-5	clear	-	
14.01	26.0	6.7	258	19.7	.14	6.8	808	clear	-	
14.12	39.0	5.5	250	19.8	.14	6.8	739			
	4									

Sample Collection:

Date Sampled: 5-16-05Sampling Method: Disposable Bailer/Other Bail. 1/2L

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
JHW-13B	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	14:20

Comments _ DO NOT SAMPLE FOR METALS-EVER

Signature J. H. K.Date 5-16-05

ENSR

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5-16-05 (OC)
 Date Purged: 5-16-05
 Purge Method: Disposable bailer/other S-120 pump

Casing Material: PVC
 Well Diameter: 2.00 in.
 Total Depth: 54.99 ft from TOC
 Depth to Water: 12.93 ft from TOC
 Water Column: 42.06 ft.
 Water Column Volume: 6.7 gal (WC X VF)

Well/Piezo ID: **MW-14A**Well Piezometer Field Tech(s): Troy WenzelWeather Conditions: Sunny/partly cloudy/windy

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

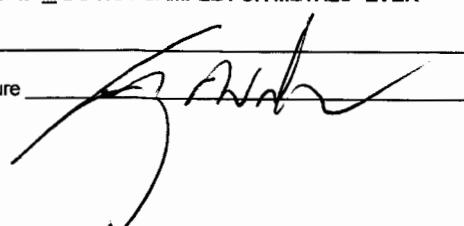
80% Recovery from TOC: = Total Depth - (Water Column X .8) = 21.34

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
14:25	0	0.5	156	19.7	18	6.5	62	Clear	NONE	
14:29	1	8.0	163	19.5	18	6.6	53	"	"	
14:33	2	16.0	162	19.8	19	6.7	152	"	"	
14:37	3	24.0	162	19.8	19	6.8	160	"	"	
	4									

Sample Collection:

Date Sampled: 5-16-05
 Sampling Method: Disposable Bailier/Other Da:12d
 Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-14A	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	14:45

Comments DO NOT SAMPLE FOR METALS-EVERSignature Date 5-16-05

ENSR

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
ENSR No. 06940-268-100
Unocal No. 2672

Well/Piezo ID: MW-14B

Well Piezometer

Well Purging:

Date Purged: 5-16-05

Purge Method: Disposable bailer/other

(PC)
ES-120 pumpField Tech(s): Troy WerburnWeather Conditions: Sunny/partly cloudy/windy

Casing Material:

Well Diameter:

2.00 in.

Total Depth:

84.98 ft from TOC

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

Depth to Water:

10.68 ft from TOC

Water Column:

74.3 ft.

Water Column Volume:

11.8 gal (WC X VF)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 25.54

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
14:54	0 6.5	4.6	231	19.2	13	6.6	60	clear	none	
15:00	1 12.3	5.0	232	19.1	13	6.6	94	11	..	
15:06	2 24.1	5.3	226	19.1	13	6.7	11	14	..	
15:12	3 36.9	4.8	225	19.2	13	6.7	10	11	11	
	4									

Sample Collection:

Date Sampled: 5-16-05

Sampling Method: Disposable Bailer/Other

Bail /

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-14B	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	15:20

Comments _ DO NOT SAMPLE FOR METALS-EVER

Signature Date 5-16-05

ENSR

GROUNDWATER SAMPLING DATA SHEET

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
 ENSR No. 06940-268-100
 Unocal No. 2672

Well Purging: 5/16/05
 Date Purged: 5/16/05
 Purge Method: Disposable bailer/other Whalen

Casing Material: PVC
 Well Diameter: 2.00 in.
 Total Depth: 19.94 ft from TOC
 Depth to Water: 5.72 ft from TOC
 Water Column: 14.22 ft.
 Water Column Volume: 2.2 gal (WC X VF)

Well/Piezo ID: MW-15

Well Piezometer Field Tech(s): Matthew TauscherWeather Conditions: muggy / cloudy

Volume	3/4" = .02	1" = .04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 8.56

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (µS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
14:54	0 0.5	5.85	-30	20.81	0.151	7.07	50.4	clear	no odor	
14:57	1 2.7	4.60	-36	20.51	0.150	6.57	14.6	clear	no odor	
15:00	2 4.7	4.30	-43	20.38	0.151	6.48	4.0	clear	no odor	
15:03	3 6.7	4.14	-48	20.00	0.157	6.48	4.0	clear	no odor	
	4									

Sample Collection:

Date Sampled: 5/16/05Sampling Method: Disposable Bailer/Other Bailed

Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-15	3	40 mL glass vial	Ice/HCl	TPHg (8015), BTEX (8260), 5-Oxys (8260), 1,2-DCA (8260)	15:07

Comments DO NOT SAMPLE FOR METALS-EVERSignature Matthew M. TauscherDate 5/16/05

ATTACHMENT C

**LABORATORY ANALYTICAL RESULTS WITH
CHAIN-OF-CUSTODY DOCUMENTATION**

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

June 07, 2005

CLS Work Order #: COE0531
COC #:

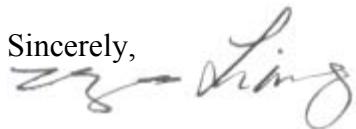
Jeff Wendt
ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

**Project Name: FormerUnocal2672,1075
SantaRosaAve.,SantaRosa,CA**

Enclosed are the results of analyses for samples received by the laboratory on 05/17/05 17:30. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233



Co66531
CHAIN OF CUSTODY

Page 1 of 1

Lab: CLS

TAT: Standard

Report results to:

Name Margret Riggan
Company ENSR
Mailing Address 10411 Old Placerville Road, Suite 210
City, State, Zip Sacramento, CA 95827-2508
Telephone No. 916-362-7100
Fax No. 916-362-8100

Project Information

Site Address: 1075 Santa Rosa Ave., Santa Rosa, CA 94503
ENSR No. 06940-268-100
Unocal No. 2672
Global ID No. T0609700603

Special Instructions and/or specific regulatory requirements:

METALS: Second Quarter

Metals samples filtered, collect in two 1-Liter Polys
Non-preserved.

Sample Identification	Date Sampled	Time Sampled	Matrix/ Media	No. of Conts.	Analyses Requested										Preservative	
					TPHg (8015)	BTEX (8260)	5-Oxys / TBA / MTBE / DIPE (8260)	ETBE / TAME / 1,2-DCA (8260)	Chromium, Vanadium, Selenium (Filtered)	Lead, Molybdenum (Filtered)	Uranium (Filtered)					
MW-1	5-16-05	18:10	GW	5	X	X	X	X	X	X	X					Ice/HCL
MW-2	5-16-05	17:04	GW	5	X	X	X	X	X	X	X					Ice/HCL
MW-3	5-16-05	16:12	GW	5	X	X	X	X	X	X	X					Ice/HCL
MW-4	5-16-05	16:55	GW	5	X	X	X	X	X	X	X					Ice/HCL
MW-5	5-16-05	17:35	GW	5	X	X	X	X	X	X	X					Ice/HCL
MW-6	5-16-05	16:30	GW	5	X	X	X	X	X	X	X					Ice/HCL
MW-7	5-16-05	15:47	GW	5	X	X	X	X	X	X	X					Ice/HCL
MW-8	5-16-05	16:39	GW	5	X	X	X	X	X	X	X					Ice/HCL
MW-9	5-16-05	10:40	GW	3	X	X	X	X								Ice/HCL
MW-10	5-16-05	10:35	GW	3	X	X	X	X								Ice/HCL
MW-11	5-16-05	15:49	GW	3	X	X	X	X								Ice/HCL
MW-12A	5-16-05	13:40	GW	3	X	X	X	X								Ice/HCL
MW-12B	5-16-05	14:31	GW	3	X	X	X	X								Ice/HCL
MW-13A	5-16-05	13:39	GW	3	X	X	X	X								Ice/HCL
MW-13B	5-16-05	14:20	GW	3	X	X	X	X								Ice/HCL
MW-14A	5-16-05	14:45	GW	3	X	X	X	X								Ice/HCL
MW-14B	5-16-05	15:20	GW	3	X	X	X	X								Ice/HCL
MW-15	5-16-05	15:07	GW	3	X	X	X	X								Ice/HCL
QA	5-12-05	-	Liquid	4	X	X										Ice/HCL

Collected by:

Relinquished by:

Relinquished by:

Method of Shipment:

Troy Wenzlau Date/Time 5-16-05

Troy Wenzlau Date/Time 5-17-05/17:30

Troy Wenzlau Date/Time

Collector's Signature:

Received by:

Received by:

Sample Condition on Rcpt:

Date/Time 5-16-05

Date/Time 5-17-05 17:30

Date/Time

20

CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
CLS Work Order #: COE0531
Project Number: 06940-268-100
COC #: Project Manager: Jeff Wendt

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COE0531-01) Water Sampled: 05/16/05 18:10 Received: 05/17/05 17:30									
Uranium	4.6	1.0	µg/L	1	CO03773	05/19/05	05/23/05	EPA 200.8	
Chromium	ND	1.0	"	"	"	"	"	"	"
Lead	ND	5.0	"	"	"	"	"	"	"
Molybdenum	8.6	2.0	"	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"	"
Vanadium	5.7	3.0	"	"	"	"	"	"	"
MW-2 (COE0531-02) Water Sampled: 05/16/05 17:04 Received: 05/17/05 17:30									
Uranium	ND	1.0	µg/L	1	CO03773	05/19/05	05/23/05	EPA 200.8	
Chromium	ND	1.0	"	"	"	"	"	"	"
Lead	5.0	5.0	"	"	"	"	"	"	"
Molybdenum	3.6	2.0	"	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"	"
Vanadium	ND	3.0	"	"	"	"	"	"	"
MW-3 (COE0531-03) Water Sampled: 05/16/05 16:12 Received: 05/17/05 17:30									
Uranium	3.0	1.0	µg/L	1	CO03773	05/19/05	05/23/05	EPA 200.8	
Chromium	ND	1.0	"	"	"	"	"	"	"
Lead	ND	5.0	"	"	"	"	"	"	"
Molybdenum	3.0	2.0	"	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"	"
Vanadium	ND	3.0	"	"	"	"	"	"	"
MW-4 (COE0531-04) Water Sampled: 05/16/05 18:55 Received: 05/17/05 17:30									
Uranium	ND	1.0	µg/L	1	CO03773	05/19/05	05/23/05	EPA 200.8	
Chromium	ND	1.0	"	"	"	"	"	"	"
Lead	7.9	5.0	"	"	"	"	"	"	"
Molybdenum	2.6	2.0	"	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"	"
Vanadium	ND	3.0	"	"	"	"	"	"	"

CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
CLS Work Order #: COE0531
Project Number: 06940-268-100
COC #:
Project Manager: Jeff Wendt

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (COE0531-05) Water Sampled: 05/16/05 17:35 Received: 05/17/05 17:30									
Uranium	24	1.0	µg/L	1	CO03773	05/19/05	05/23/05	EPA 200.8	
Chromium	ND	1.0	"	"	"	"	"	"	"
Lead	ND	5.0	"	"	"	"	"	"	"
Molybdenum	2.2	2.0	"	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"	"
Vanadium	4.5	3.0	"	"	"	"	"	"	"
MW-6 (COE0531-06) Water Sampled: 05/16/05 16:30 Received: 05/17/05 17:30									
Uranium	ND	1.0	µg/L	1	CO03773	05/19/05	05/23/05	EPA 200.8	
Chromium	ND	1.0	"	"	"	"	"	"	"
Lead	ND	5.0	"	"	"	"	"	"	"
Molybdenum	ND	2.0	"	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"	"
Vanadium	5.4	3.0	"	"	"	"	"	"	"
MW-7 (COE0531-07) Water Sampled: 05/16/05 15:47 Received: 05/17/05 17:30									
Uranium	ND	1.0	µg/L	1	CO03773	05/19/05	05/23/05	EPA 200.8	
Chromium	ND	1.0	"	"	"	"	"	"	"
Lead	ND	5.0	"	"	"	"	"	"	"
Molybdenum	2.2	2.0	"	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"	"
Vanadium	ND	3.0	"	"	"	"	"	"	"
MW-8 (COE0531-08) Water Sampled: 05/16/05 16:39 Received: 05/17/05 17:30									
Uranium	ND	1.0	µg/L	1	CO03773	05/19/05	05/23/05	EPA 200.8	
Chromium	ND	1.0	"	"	"	"	"	"	"
Lead	8.4	5.0	"	"	"	"	"	"	"
Molybdenum	ND	2.0	"	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"	"
Vanadium	ND	3.0	"	"	"	"	"	"	"

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
Project Number: 06940-268-100
CLS Work Order #: COE0531
Project Manager: Jeff Wendt
COC #:

TPH-Gasoline by GC FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COE0531-01) Water Sampled: 05/16/05 18:10 Received: 05/17/05 17:30									
Gasoline	720	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	GC-25
Surrogate: o-Chlorotoluene (Gas)									
110 % 65-135 " " " "									
MW-2 (COE0531-02) Water Sampled: 05/16/05 17:04 Received: 05/17/05 17:30									
Gasoline	17000	500	µg/L	10	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
97.0 % 65-135 " " " "									
MW-3 (COE0531-03) Water Sampled: 05/16/05 16:12 Received: 05/17/05 17:30									
Gasoline	1100	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	GC-25
Surrogate: o-Chlorotoluene (Gas)									
108 % 65-135 " " " "									
MW-4 (COE0531-04) Water Sampled: 05/16/05 18:55 Received: 05/17/05 17:30									
Gasoline	30000	1000	µg/L	20	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
97.5 % 65-135 " " " "									
MW-5 (COE0531-05) Water Sampled: 05/16/05 17:35 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
103 % 65-135 " " " "									
MW-6 (COE0531-06) Water Sampled: 05/16/05 16:30 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
102 % 65-135 " " " "									
MW-7 (COE0531-07) Water Sampled: 05/16/05 15:47 Received: 05/17/05 17:30									
Gasoline	76	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	GC-25
Surrogate: o-Chlorotoluene (Gas)									
99.5 % 65-135 " " " "									

CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
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Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
Project Number: 06940-268-100
Project Manager: Jeff Wendt

CLS Work Order #: COE0531

COC #:

TPH-Gasoline by GC FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (COE0531-08) Water Sampled: 05/16/05 16:39 Received: 05/17/05 17:30									
Gasoline	12000	500	µg/L	10	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
		116 %	65-135		"	"	"	"	
MW-9 (COE0531-09) Water Sampled: 05/16/05 10:40 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
		99.0 %	65-135		"	"	"	"	
MW-10 (COE0531-10) Water Sampled: 05/16/05 10:35 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
		104 %	65-135		"	"	"	"	
MW-11 (COE0531-11) Water Sampled: 05/16/05 15:44 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
		100 %	65-135		"	"	"	"	
MW-12A (COE0531-12) Water Sampled: 05/16/05 13:40 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
		98.5 %	65-135		"	"	"	"	
MW-12B (COE0531-13) Water Sampled: 05/16/05 14:31 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
		99.5 %	65-135		"	"	"	"	
MW-13A (COE0531-14) Water Sampled: 05/16/05 13:39 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/19/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)									
		99.0 %	65-135		"	"	"	"	

CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
CLS Work Order #: COE0531
Project Number: 06940-268-100
Project Manager: Jeff Wendt
COC #:

TPH-Gasoline by GC FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-13B (COE0531-15) Water Sampled: 05/16/05 14:20 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03854	05/19/05	05/23/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas) 100 % 65-135 " " " "									
MW-14A (COE0531-16) Water Sampled: 05/16/05 14:45 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03897	05/20/05	05/20/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas) 104 % 65-135 " " " "									
MW-14B (COE0531-17) Water Sampled: 05/16/05 15:20 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03897	05/20/05	05/20/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas) 105 % 65-135 " " " "									
MW-15 (COE0531-18) Water Sampled: 05/16/05 15:07 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03897	05/20/05	05/20/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas) 102 % 65-135 " " " "									
QA (COE0531-19) Water Sampled: 05/12/05 00:00 Received: 05/17/05 17:30									
Gasoline	ND	50	µg/L	1	CO03897	05/20/05	05/20/05	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas) 102 % 65-135 " " " "									

CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
Project Number: 06940-268-100
Project Manager: Jeff Wendt
CLS Work Order #: COE0531
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COE0531-01) Water Sampled: 05/16/05 18:10 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03734	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	2.8	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	86	0.50	"	"	"	"	"	"	
Toluene	5.5	0.50	"	"	"	"	"	"	
Ethylbenzene	42	0.50	"	"	"	"	"	"	
Xylenes (total)	9.3	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		112 %		72-125	"	"	"	"	
MW-2 (COE0531-02) Water Sampled: 05/16/05 17:04 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03734	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	110	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	4500	10	"	20	"	"	05/20/05	"	
Toluene	520	10	"	"	"	"	"	"	
Ethylbenzene	960	10	"	"	"	"	"	"	
Xylenes (total)	2700	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		104 %		72-125	"	"	05/18/05	"	

CALIFORNIA LABORATORY SERVICES

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Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
Project Number: 06940-268-100
Project Manager: Jeff Wendt

CLS Work Order #: COE0531

COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (COE0531-03) Water Sampled: 05/16/05 16:12 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03734	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	8.4	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	1.7	0.50	"	"	"	"	"	"	
Benzene	5.4	0.50	"	"	"	"	"	"	
Toluene	3.1	0.50	"	"	"	"	"	"	
Ethylbenzene	57	0.50	"	"	"	"	"	"	
Xylenes (total)	52	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		115 %		72-125	"	"	"	"	
MW-4 (COE0531-04) Water Sampled: 05/16/05 18:55 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03734	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	13	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	5800	10	"	20	"	"	05/20/05	"	
Toluene	2600	10	"	"	"	"	"	"	
Ethylbenzene	1400	10	"	"	"	"	"	"	
Xylenes (total)	8700	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		96.8 %		72-125	"	"	05/18/05	"	

CALIFORNIA LABORATORY SERVICES

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Project Number: 06940-268-100
Project Manager: Jeff Wendt
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (COE0531-05) Water Sampled: 05/16/05 17:35 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03734	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	0.82	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	4.5	0.50	"	"	"	"	"	"	
Toluene	1.7	0.50	"	"	"	"	"	"	
Ethylbenzene	2.0	0.50	"	"	"	"	"	"	
Xylenes (total)	12	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		109 %		72-125	"	"	"	"	
MW-6 (COE0531-06) Water Sampled: 05/16/05 16:30 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03734	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	0.53	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	2.0	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		106 %		72-125	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

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Project Number: 06940-268-100
Project Manager: Jeff Wendt
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (COE0531-07) Water Sampled: 05/16/05 15:47 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03745	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	0.62	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		95.8 %		72-125		"	"	"	
MW-8 (COE0531-08) Water Sampled: 05/16/05 16:39 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	10	µg/L	20	CO03787	05/19/05	05/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Benzene	950	10	"	"	"	"	"	"	
Toluene	310	10	"	"	"	"	"	"	
Ethylbenzene	520	10	"	"	"	"	"	"	
Xylenes (total)	990	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		97.0 %		72-125		"	"	"	

CALIFORNIA LABORATORY SERVICES

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COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (COE0531-09) Water Sampled: 05/16/05 10:40 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03745	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		95.3 %		72-125		"	"	"	
MW-10 (COE0531-10) Water Sampled: 05/16/05 10:35 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03745	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		94.6 %		72-125		"	"	"	

CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
CLS Work Order #: COE0531
Project Number: 06940-268-100
Project Manager: Jeff Wendt
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (COE0531-11) Water Sampled: 05/16/05 15:44 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03745	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		95.0 %		72-125		"	"	"	
MW-12A (COE0531-12) Water Sampled: 05/16/05 13:40 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03745	05/18/05	05/18/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	14	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		94.4 %		72-125		"	"	"	

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ENSR - Sacramento
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Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
CLS Work Order #: COE0531
Project Number: 06940-268-100
Project Manager: Jeff Wendt
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-12B (COE0531-13) Water Sampled: 05/16/05 14:31 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03787	05/19/05	05/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		95.0 %		72-125		"	"	"	
MW-13A (COE0531-14) Water Sampled: 05/16/05 13:39 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03787	05/19/05	05/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		95.4 %		72-125		"	"	"	

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Sacramento, CA 95827-2508

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Project Number: 06940-268-100
Project Manager: Jeff Wendt
CLS Work Order #: COE0531
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-13B (COE0531-15) Water Sampled: 05/16/05 14:20 Received: 05/17/05 17:30

Di-isopropyl ether	ND	0.50	µg/L	1	CO03787	05/19/05	05/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Surrogate: Toluene-d8

95.7 % 72-125 " " "

MW-14A (COE0531-16) Water Sampled: 05/16/05 14:45 Received: 05/17/05 17:30

Di-isopropyl ether	ND	0.50	µg/L	1	CO03787	05/19/05	05/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	16	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	9.9	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	7.2	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Surrogate: Toluene-d8

95.4 % 72-125 " " "

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Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
Project Number: 06940-268-100
Project Manager: Jeff Wendt
CLS Work Order #: COE0531
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-14B (COE0531-17) Water Sampled: 05/16/05 15:20 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03787	05/19/05	05/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		95.7 %		72-125		"	"	"	
MW-15 (COE0531-18) Water Sampled: 05/16/05 15:07 Received: 05/17/05 17:30									
Di-isopropyl ether	ND	0.50	µg/L	1	CO03787	05/19/05	05/19/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>									
		95.6 %		72-125		"	"	"	

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Project Number: 06940-268-100
Project Manager: Jeff Wendt
CLS Work Order #: COE0531
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QA (COE0531-19) Water Sampled: 05/12/05 00:00 Received: 05/17/05 17:30									
Benzene	ND	0.50	µg/L	1	CO03787	05/19/05	05/19/05	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	66-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %	72-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	73-125		"	"	"	"	

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Project Number: 06940-268-100
Project Manager: Jeff Wendt
CLS Work Order #: COE0531
COC #:

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CO03773 - EPA 3020A

Blank (CO03773-BLK1) Prepared: 05/19/05 Analyzed: 05/23/05

Uranium	ND	1.0	µg/L
Arsenic	ND	2.0	"
Chromium	ND	1.0	"
Lead	ND	5.0	"
Molybdenum	ND	2.0	"
Selenium	ND	5.0	"
Vanadium	ND	3.0	"

LCS (CO03773-BS1) Prepared: 05/19/05 Analyzed: 05/23/05

Uranium	101	1.0	µg/L	100	101	80-120
Arsenic	98.6	2.0	"	100	98.6	80-120
Chromium	96.0	1.0	"	100	96.0	80-120
Lead	95.1	5.0	"	100	95.1	80-120
Molybdenum	105	2.0	"	100	105	80-120
Selenium	91.0	5.0	"	100	91.0	80-120
Vanadium	101	3.0	"	100	101	80-120

LCS Dup (CO03773-BSD1) Prepared: 05/19/05 Analyzed: 05/23/05

Uranium	103	1.0	µg/L	100	103	80-120	1.96	20
Arsenic	102	2.0	"	100	102	80-120	3.39	20
Chromium	97.8	1.0	"	100	97.8	80-120	1.86	20
Lead	98.0	5.0	"	100	98.0	80-120	3.00	20
Molybdenum	108	2.0	"	100	108	80-120	2.82	20
Selenium	97.5	5.0	"	100	97.5	80-120	6.90	20
Vanadium	103	3.0	"	100	103	80-120	1.96	20

Matrix Spike (CO03773-MS1) Source: COE0565-01 Prepared: 05/19/05 Analyzed: 05/23/05

Arsenic	114	2.0	µg/L	100	14	100	75-125
Lead	94.5	5.0	"	100	0.42	94.1	75-125
Selenium	95.9	5.0	"	100	ND	95.9	75-125

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Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
CLS Work Order #: COE0531
Project Number: 06940-268-100
Project Manager: Jeff Wendt
COC #:

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch CO03773 - EPA 3020A

Matrix Spike Dup (CO03773-MSD1)	Source: COE0565-01			Prepared: 05/19/05			Analyzed: 05/23/05			
Arsenic	118	2.0	µg/L	100	14	104	75-125	3.45	25	
Lead	96.9	5.0	"	100	0.42	96.5	75-125	2.51	25	
Selenium	102	5.0	"	100	ND	102	75-125	6.16	25	

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CLS Work Order #: COE0531
Project Number: 06940-268-100
Project Manager: Jeff Wendt
COC #:

TPH-Gasoline by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch CO03854 - EPA 5030 Water GC

Blank (CO03854-BLK1) Prepared: 05/19/05 Analyzed: 05/23/05

Gasoline	ND	50	µg/L							
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Surrogate: o-Chlorotoluene (Gas)	20.8	"		20.0		104	65-135			
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LCS (CO03854-BS1) Prepared: 05/19/05 Analyzed: 05/23/05

Gasoline	464	50	µg/L	500		92.8	65-135			
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Surrogate: o-Chlorotoluene (Gas)	23.1	"		20.0		116	65-135			
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LCS Dup (CO03854-BSD1) Prepared: 05/19/05 Analyzed: 05/23/05

Gasoline	441	50	µg/L	500		88.2	65-135	5.08	30	
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Surrogate: o-Chlorotoluene (Gas)	21.6	"		20.0		108	65-135			
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Matrix Spike (CO03854-MS1) Source: COE0531-15 Prepared: 05/19/05 Analyzed: 05/23/05

Gasoline	413	50	µg/L	500	ND	82.6	68-132			
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Surrogate: o-Chlorotoluene (Gas)	21.6	"		20.0		108	65-135			
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Matrix Spike Dup (CO03854-MSD1) Source: COE0531-15 Prepared: 05/19/05 Analyzed: 05/23/05

Gasoline	409	50	µg/L	500	ND	81.8	68-132	0.973	32	
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Surrogate: o-Chlorotoluene (Gas)	21.7	"		20.0		108	65-135			
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Batch CO03897 - EPA 5030 Water GC

Blank (CO03897-BLK1) Prepared: 05/20/05 Analyzed: 05/24/05

Gasoline	ND	50	µg/L							
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Surrogate: o-Chlorotoluene (Gas)	21.2	"		20.0		106	65-135			
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LCS (CO03897-BS1) Prepared: 05/20/05 Analyzed: 05/24/05

Gasoline	440	50	µg/L	500		88.0	65-135			
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Surrogate: o-Chlorotoluene (Gas)	22.1	"		20.0		110	65-135			
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06/07/05 16:18

ENSR - Sacramento
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Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
CLS Work Order #: COE0531
Project Number: 06940-268-100
Project Manager: Jeff Wendt
COC #:

TPH-Gasoline by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch CO03897 - EPA 5030 Water GC

LCS Dup (CO03897-BSD1)

Prepared: 05/20/05 Analyzed: 05/24/05

Gasoline	439	50	µg/L	500	87.8	65-135	0.228	30
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Surrogate: o-Chlorotoluene (Gas)

21.4 " 20.0 107 65-135

Matrix Spike (CO03897-MS1)

Source: COE0666-04 Prepared: 05/20/05 Analyzed: 05/24/05

Gasoline	404	50	µg/L	500	ND	80.8	68-132	
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Surrogate: o-Chlorotoluene (Gas)

23.9 " 20.0 120 65-135

Matrix Spike Dup (CO03897-MSD1)

Source: COE0666-04 Prepared: 05/20/05 Analyzed: 05/24/05

Gasoline	428	50	µg/L	500	ND	85.6	68-132	5.77	32
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Surrogate: o-Chlorotoluene (Gas)

21.6 " 20.0 108 65-135

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Project Number: 06940-268-100
Project Manager: Jeff Wendt

CLS Work Order #: COE0531

COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch CO03734 - EPA 5030 Water MS

Blank (CO03734-BLK1)

Prepared & Analyzed: 05/18/05

Di-isopropyl ether	ND	0.50	µg/L
Ethyl tert-butyl ether	ND	0.50	"
Methyl tert-butyl ether	ND	0.50	"
tert-Amyl methyl ether	ND	0.50	"
Tert-butyl alcohol	ND	5.0	"
1,2-Dichloroethane	ND	0.50	"
Benzene	ND	0.50	"
Toluene	ND	0.50	"
Ethylbenzene	ND	0.50	"
Xylenes (total)	ND	1.0	"

Surrogate: Toluene-d8	10.9	"	10.0	109	72-125
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LCS (CO03734-BS1)

Prepared & Analyzed: 05/18/05

Methyl tert-butyl ether	20.6	0.50	µg/L	20.0	103	52-130
Surrogate: Toluene-d8	12.8	"		10.0	128	72-125

S-GC

LCS Dup (CO03734-BSD1)

Prepared & Analyzed: 05/18/05

Methyl tert-butyl ether	22.7	0.50	µg/L	20.0	114	52-130	9.70	30
Surrogate: Toluene-d8	12.3	"		10.0	123	72-125		

Batch CO03745 - EPA 5030 Water MS

Blank (CO03745-BLK1)

Prepared & Analyzed: 05/18/05

Di-isopropyl ether	ND	0.50	µg/L
Ethyl tert-butyl ether	ND	0.50	"
Methyl tert-butyl ether	ND	0.50	"
tert-Amyl methyl ether	ND	0.50	"
Tert-butyl alcohol	ND	5.0	"

Surrogate: Toluene-d8	9.54	"	10.0	95.4	72-125
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CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
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Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
Project Number: 06940-268-100
CLS Work Order #: COE0531
Project Manager: Jeff Wendt
COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch CO03745 - EPA 5030 Water MS

LCS (CO03745-BS1)

Prepared & Analyzed: 05/18/05

Methyl tert-butyl ether	18.8	0.50	µg/L	20.0	94.0	52-130
Surrogate: Toluene-d8	9.66		"	10.0	96.6	72-125

LCS Dup (CO03745-BSD1)

Prepared & Analyzed: 05/18/05

Methyl tert-butyl ether	18.6	0.50	µg/L	20.0	93.0	52-130	1.07	30
Surrogate: Toluene-d8	9.64		"	10.0	96.4	72-125		

Batch CO03787 - EPA 5030 Water MS

Blank (CO03787-BLK1)

Prepared & Analyzed: 05/19/05

Benzene	ND	0.50	µg/L			
Di-isopropyl ether	ND	0.50	"			
Toluene	ND	0.50	"			
Ethyl tert-butyl ether	ND	0.50	"			
Methyl tert-butyl ether	ND	0.50	"			
Ethylbenzene	ND	0.50	"			
tert-Amyl methyl ether	ND	0.50	"			
Xylenes (total)	ND	1.0	"			
Tert-butyl alcohol	ND	5.0	"			
1,2-Dibromoethane (EDB)	ND	0.50	"			
1,2-Dichloroethane	ND	0.50	"			
Surrogate: Toluene-d8	9.50		"	10.0	95.0	72-125
Surrogate: 1,2-Dichloroethane-d4	9.40		"	10.0	94.0	66-135
Surrogate: Toluene-d8	9.50		"	10.0	95.0	72-125
Surrogate: 4-Bromofluorobenzene	10.5		"	10.0	105	73-125

LCS (CO03787-BS1)

Prepared & Analyzed: 05/19/05

Benzene	20.2	0.50	µg/L	20.0	101	0-200
Toluene	19.7	0.50	"	20.0	98.5	0-200
Methyl tert-butyl ether	18.9	0.50	"	20.0	94.5	52-130
Surrogate: Toluene-d8	9.67		"	10.0	96.7	72-125
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0	103	66-135

CALIFORNIA LABORATORY SERVICES

06/07/05 16:18

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: FormerUnocal2672,1075SantaRosaAve, SantaRosa,CA
Project Number: 06940-268-100
Project Manager: Jeff Wendt

CLS Work Order #: COE0531

COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch CO03787 - EPA 5030 Water MS

LCS (CO03787-BS1)

Prepared & Analyzed: 05/19/05

Surrogate: Toluene-d8	9.67		µg/L	10.0		96.7	72-125			
Surrogate: 4-Bromofluorobenzene	10.6		"	10.0		106	73-125			

LCS Dup (CO03787-BSD1)

Prepared & Analyzed: 05/19/05

Benzene	19.8	0.50	µg/L	20.0		99.0	0-200	2.00	200	
Toluene	19.7	0.50	"	20.0		98.5	0-200	0.00	200	
Methyl tert-butyl ether	18.9	0.50	"	20.0		94.5	52-130	0.00	30	

Surrogate: Toluene-d8	9.67		"	10.0		96.7	72-125			
Surrogate: 1,2-Dichloroethane-d4	9.48		"	10.0		94.8	66-135			
Surrogate: Toluene-d8	9.67		"	10.0		96.7	72-125			
Surrogate: 4-Bromofluorobenzene	10.5		"	10.0		105	73-125			

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COC #:

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates.

GC-25 Weathered gasoline.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference